Holden

OWNER'S HANDBOOK

WFR SERIES

Owner's Name .....

Address .....

Town .....

State .....Postcode .....

Model Name .....

Reg. No. ..... Eng. No. .....

Vehicle Identification No. (V.I.N.) .....

Date of Purchase ..... Odometer Reading .....

Vehicle Identification Certificate

Selling Dealer's Stamp & Signature .....

CHANGE OF ADDRESS/OWNERSHIP

Holden's requests that owners who change their address (or name) or subsequent owners who purchase this vehicle, complete and return by mail one of the forms on pages 8-34 or 8-36.

This notification is important even after the expiration of the original vehicle warranty in order that Holden's will be able to contact you should the need arise.

Part No. 92033626
Sept. 1988 (PRINT 2)

We thank you for choosing Holden and want to assure you of our continuing interest in your motoring pleasure and satisfaction.

QUICK INDEX

— ACCIDENT PROCEDURES — Page 4-1

— WARRANTY — Page 5-1
— familiarise yourself with the conditions

— CHANGING A TYRE — Page 4-3

— OTHER EMERGENCIES — Page 4-0

— FUEL — Inside Rear Cover
— Unleaded Petrol

— LIST OF DEALERS ACROSS AUSTRALIA — Page 5-7

— CUSTOMER ASSISTANCE — Page 5-6

This handbook applies to all 1988 model year Shuttles. Therefore you may find reference to some equipment not installed in your chosen vehicle.

All information, illustrations and specifications in this handbook are based on the latest production information available at the time of printing. Holden's reserves the right to make changes at any time without notice and without incurring any obligation.

CONTENTS

The first page of each chapter contains a "chapter index".

Chapter 1 .....**INSTRUMENT PANEL**..... page 1-0

The first page of this chapter illustrates the instrument panel and identifies the gauges, warning lights and controls. Page reference numbers are listed next to each item.

Chapter 2 .....**KNOW YOUR CAR**..... page 2-0

This section covers the other features of your vehicle, not appearing on the instrument panel. Features covered include locks, seat adjustment, seat belts, horn, park brake, mirrors, windows, antenna and the interior light.

Chapter 3 .....**STARTING, DRIVING & LOADING**..... page 3-0

Please read chapters 1 and 2 to familiarise yourself with your vehicle before proceeding to this section. This explains the steering lock, how to start your vehicle and when to change gears. There are also some precautions and fuel consumption notes as well as information when loading your vehicle or towing a trailer.

Chapter 4 .....**ACCIDENTS & EMERGENCIES**..... page 4-0

The first two pages of this chapter show what to do at the scene of an accident, including giving medical assistance. Following, are some emergency procedures, including wheel changing, starting when the battery is flat and engine overheating.

CONTENTS

Chapter 5 .....**WARRANTY** ..... page 5-0
This sets out the terms of your warranty, explains what to do if you need Customer Assistance and lists the Holden dealers across Australia.

Chapter 6 .....**WEEKLY MAINTENANCE** ..... page 6-0
As well as taking your vehicle in for a service, there are a few simple checks that the owner must make. These are clearly shown and illustrated. They include checking the oil, water and brake fluid levels. It also shows how to top up the washer fluid and check your tyres.

The end of the chapter shows how to replace your vehicle's bulbs should the need arise.

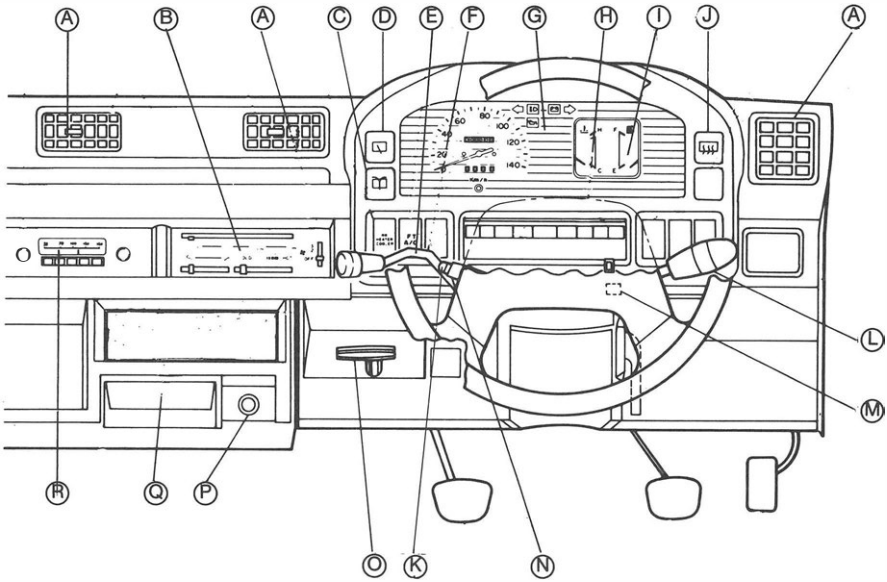
Also included are instructions about cleaning your vehicle.

Chapter 7 .....**SPECIFICATIONS AND EMISSIONS** ..... page 7-0
This lists specifications, capacities and general replacement parts, including oil, bulbs, tyres, fuses, etc. Also included is information relating to the emission control features fitted to your vehicle.

Chapter 8 .....**SERVICE/MAINTENANCE SCHEDULE** ..... page 8-0
This shows when your vehicle requires servicing and what is done at each service. Also included are the coupons that are used when you take your vehicle to a Holden Dealer to be serviced.

INDEX ..... Rear Pages

REFUELLING ..... Rear Cover



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A	Ventilation Grille	1-6
B	Heater Control Panel	1-6
C	Rear Washer Switch	1-4
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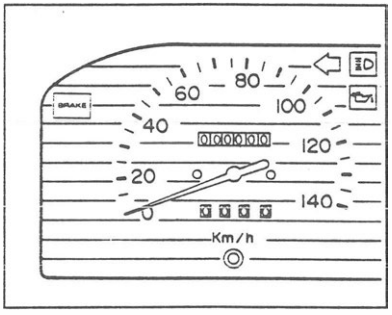
SPEEDOMETER

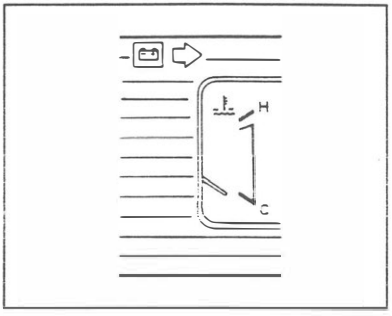


The speedometer indicates vehicle speed in kilometres per hour (kph), up to 140.

The odometer (incorporated in the speedometer) records kilometres travelled since the vehicle was built, up to 99,999.9 kilometres — it will then automatically reset to zero. The black figure on the extreme right indicates 0.1 kilometres.

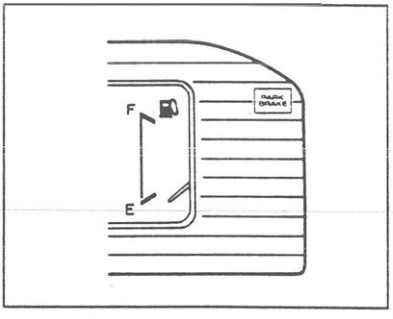
The tripmeter (incorporated in the lower section of the speedometer) records kilometres travelled on a particular trip. Push the knob beneath the tripmeter to reset the reading to zero.

TEMPERATURE GAUGE



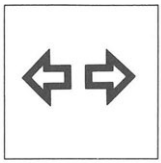
This gauge indicates the engine coolant temperature. If the needle moves to the extreme top of the gauge, an overheat condition is indicated. Refer page 4-7.

FUEL GAUGE



The fuel gauge indicates the level of fuel within the fuel tank, even if the ignition is switched off. 'F' represents full and 'E' represents empty. The maximum capacity of the fuel tank is 60 litres.

TURN SIGNAL INDICATOR



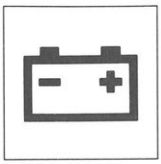
The appropriate green arrow will continuously flash while the lever on the right side of the steering column is moved (refer page 1-3) and the ignition key is turned to the "ON" position.

NOTE: Both arrows will flash when the Hazard Warning Button is pushed in (refer page 4-3).

OIL PRESSURE WARNING

This symbol will be displayed when the ignition is turned to ON — until the engine is started. If the symbol should glow while the engine is running, it indicates a low oil pressure. This should immediately be seen to.

GENERATOR WARNING



This symbol will illuminate when the ignition is switched ON — until the engine is started. If the symbol glows while the engine is running a state of 'low charge' is indicated. This should immediately be seen to.

HIGH BEAM INDICATOR

This symbol is displayed when the headlights high beams are in use.

PARK BRAKE INDICATOR

With the ignition switched to ON and the park brake applied this wording will be displayed. When the park brake is released, the wording will go out.

BRAKE WARNING

This wording will illuminate when the ignition is switched ON — until the engine is started. If the wording should glow while the engine is running it indicates that the brake fluid reservoir is low. This should immediately be seen to.

OVERDRIVE OFF WARNING

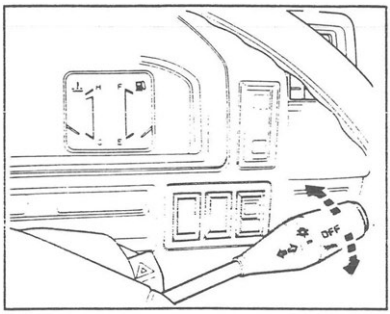
This symbol will be displayed when overdrive (automatic transmissions only) is switched off, refer page 3-4.

The combination lever, on the right side of the steering column, controls turn signals, headlights and high/low beam.

TURN SIGNALS

Push the lever up to signal a left turn, and down to signal a right turn. The lever will return to the neutral position when the turn is completed.

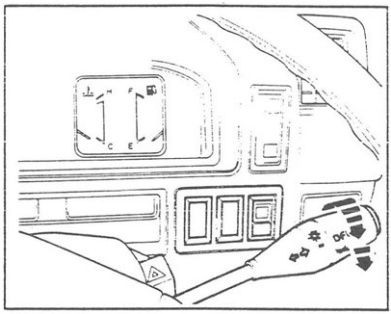
A green arrow on the instrument panel will flash when the lights are in operation. This is accompanied by a clicking sound.



HEADLIGHTS

The light switch, on the end of the lever, rotates to 3 positions. Line the non-rotating section with the required light marker on the rotating section.

The lower marker is the OFF position, the middle is for the parking lights and the top marker is for the headlights.

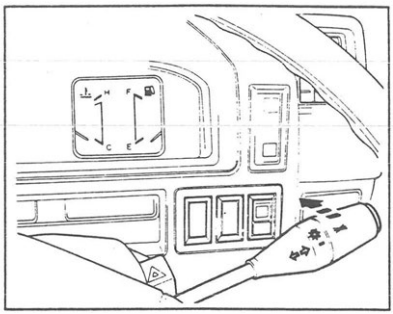


HIGH/LOW BEAM

The headlight beam is alternately switched from low to high or high to low each time the switch lever is moved towards the steering wheel and released, provided the headlights are switched on.

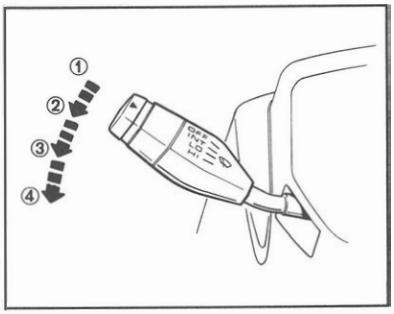
The headlights high beam indicator on the instrument panel lights up when the headlights are on high beam.

Moving the lever towards you when the headlights are switched off will 'flash' the headlights on.



NOTE: Front and rear wipers and washers are only operational when the ignition key is turned to "ON".

WINDSHIELD WIPER AND WASHER

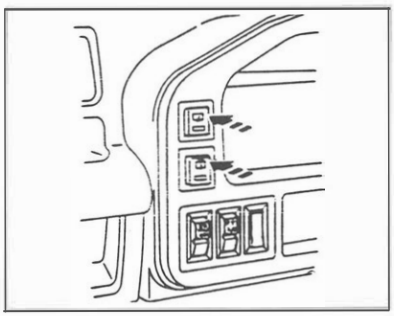


The lever, on the left of the steering column, has 4 positions to control the windshield wipers:

1. Off
2. Intermittent (where fitted)
3. Low speed
4. High speed

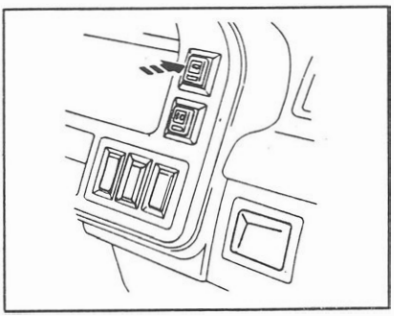
Do not operate the wipers if the windshield is dry. It may scratch the windshield glass. To obtain a spray of water onto the glass, depress the button at the end of the lever as long as required. Refer page 6-6 when topping up the washer fluid.

REAR WIPER & WASHER



Depress the top switch to operate the rear wiper. Do not operate the rear wiper if the window is dry. It may scratch the glass. To obtain a spray of water onto the rear window, depress and hold the lower switch as long as required. Refer page 6-6 when topping up the rear washer fluid. Depress the top switch again to turn off the rear wiper.

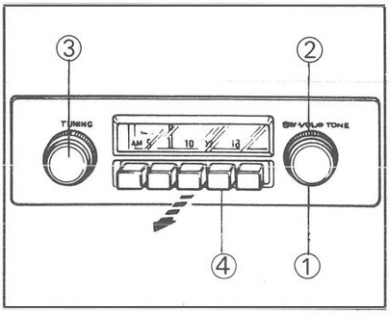
DEMISTER



When the ignition is turned to ON, depress the switch knob to use the rear window demister. The indicator light turns on when the switch is in use. When the window becomes clear turn off by depressing the switch again.

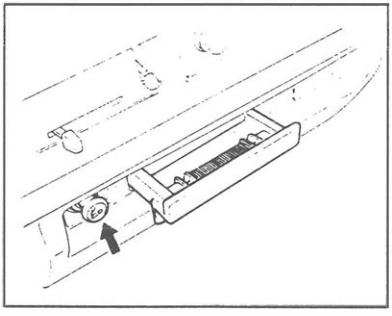
If the switch is left on, the battery will discharge.

AM RADIO (operational when ignition key turned to "ACC" or "ON")



1. ON/OFF switch and volume control:
   Push the volume control to switch the radio on, a second push will switch the radio off. Turn the control to increase or decrease volume.
2. Tone Control:
   Turn to increase bass or treble.
3. Manual tuning control:
   The radio may be tuned at any time by means of manual tuning control, this will not affect the pre selected push buttons.
4. Preset Tuning Buttons
   Push button in to tune into a pre-selected station.
   Preset tuning buttons can be preset in the following manner:
   (a) Unlock the push button by firmly pulling outwards.
   (b) Accurately tune the receiver to the required station with manual tuning control.
   (c) Lock push button to the station by pushing in slowly and completely.

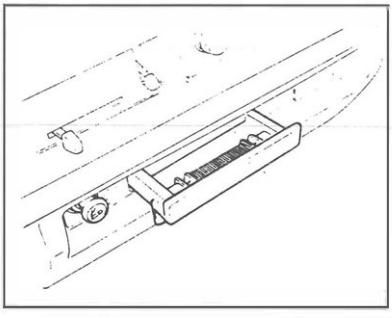
NOTE: Antenna, refer page 2-7.



CIGARETTE LIGHTER

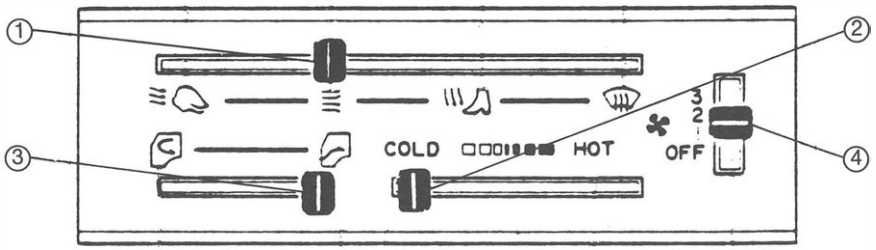
To operate, push the knob in and allow a few seconds for heating.

The knob pops out when heated and ready for use.



ASHTRAY

To use, pull out the tray. To clean, remove the tray by pulling it while depressing the centre flap.



Air Selector Lever ①

FACE — Air is directed to face level.

BI-LEVEL — Warm air is directed to the feet and cooler air to the face.

FOOT — Air is directed to foot level.

DEFROST — Air is directed to the windshield for demisting.

Temperature Control Lever ②

The temperature control lever adjusts the air temperature.

Air Intake Lever ③

Recirculated or outside air intake can be selected with the air intake lever. The "RECIRCULATION" position should be used (with the windows closed) when outside air is not wanted, as when driving in dusty conditions.

Blower Lever ④

The blower lever controls fan speed.

Outlets

Outside air is drawn into the vehicle and can be directed (by the heater controls) into the car via three different types of outlets: demister, floor and face level.

The face level outlets have adjustable vanes which may be swivelled up/down and left/right to allow directional control of air flow.

The demister and floor outlets are fixed, as these direct air to the windows or onto the feet and legs in the best possible way.

Know Your Car

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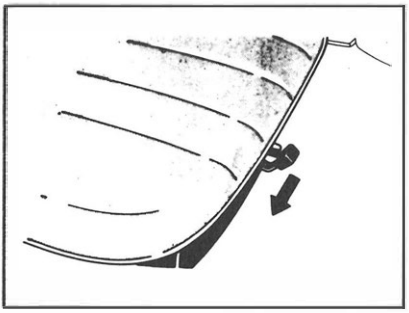
2-2 — Seat Belts
2-4 — Keys and Locks
2-6 — Mirrors
2-6 — Windows
2-7 — Interior Light
2-7 — Park Brake
2-7 — Horn
2-7 — Antenna

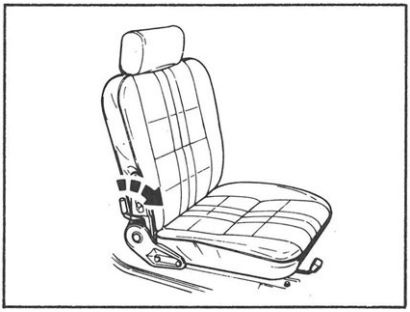
Driver's Seat



Seat adjuster:
The driver's seat can be moved forward or rearward for the most comfortable position.

Push sideways on the lever, located at the front lower part of the seat, to release the seat adjuster lock so that the seat can be moved forward or rearward as desired. After adjusting the seat position, move the seat forward and backward to be sure the seat adjusters have been latched. **Do not adjust the seat whilst the vehicle is moving.**

Seat Backs



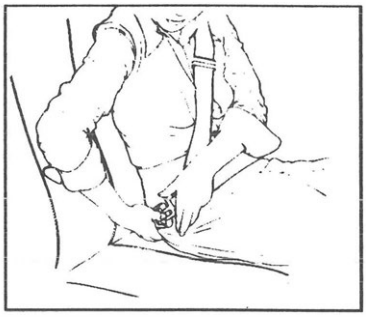
Seat back inclination can be adjusted by use of release levers located on body side end of seats.

CAUTION: To avoid reducing the effectiveness of seat belts it is recommended that reclining seats be used in no more than a semi-reclined position when the vehicle is moving. The full reclined position should be used only when the vehicle is stationary.

Head Restraint

This safety feature is not intended to be used as a headrest. It is solely for the reduction of possible injury that may result from a whip-lash neck movement following a collision. The head restraints are not adjustable in height.

Retractor Belts



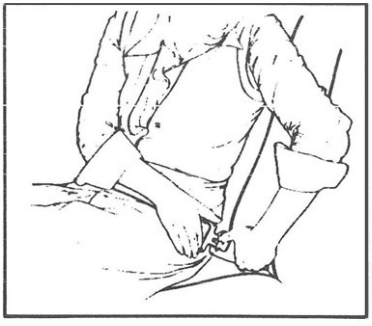
To put on a retractor seat belt, pull the metal tongue across your body and clip it into the buckle. When the metal tongue has locked safely into place you will hear a "click". After fastening, settle the belt by running your hand under the belt starting at the hip, go across to the buckle, then up under the sash. Any extra belt length will retract automatically.

The lap section should be worn as low as possible on your hips, not on your waist. Make sure the sash and lap sections of the seat belt are free from twists and are fitting firmly.

The emergency-locking retractor belt allows you to move freely while the vehicle is travelling normally. The belt will lock immediately on fast braking, impact with a solid object or any quick movement by the wearer.

To release the belt, press the release button on the buckle and allow the belt to retract. Check that it fully retracts without twisting or turning.

Lap-Type Belts



To adjust: Settle yourself comfortably. Bring the tongue adjuster across your body and clip it into the buckle. When the metal tongue has locked safely into place you will hear a "click". Make sure the belt is fitting firmly across the lower hip area and not across your waist.

To shorten: Tilt the tongue adjuster and pull the belt through the belt adjuster.

To lengthen: Tilt the tongue adjuster and pull the belt from just below the finger grip bar.

Maintenance of Seat Belts

- Check seat belts regularly. Replace the belts if they become frayed or damaged. The buckle and retractor mechanism operations should also be checked. Your Holden Dealer will do these things as part of the schedule maintenance plan.
- Seat belts must be replaced if they have been in use during a severe impact — even if there is no obvious damage.
- Clean belts only with a solution of mild soap and lukewarm water. Never use bleach.

Infant and Child Restraint

CHILDREN SHOULD BE RESTRAINED AT ALL TIMES WHEN RIDING IN A MOTOR VEHICLE.

In some states it is Law that children must be belted in, whenever they are travelling in a vehicle in which seat belts are installed. CHILDREN ABLE TO SIT UP should be restrained with the regular seat belt or an approved child restraint.

Where children are restrained with the regular belt and it is desired to raise their seating position this is to be done only by means of a support which is retained by the belt. NEVER USE A LOOSE CUSHION AS THIS COULD ALLOW SERIOUS INJURY IN THE CASE OF VEHICLE COLLISION.

AUSTRALIAN DESIGN RULES: WARNINGS

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis, or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

Belts should not be worn with straps twisted.

Each seat belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

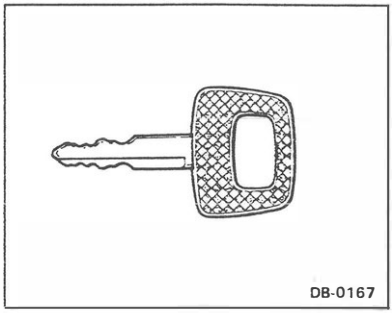
No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

The positioning of the tongue restrictor must never interfere with or stop the belt from fully retracting.

Keys

The code number of each key is stamped on the key. Record the key numbers and keep the numbers in a safe place such as your wallet. NOT IN THE VEHICLE.

In the event the original keys are lost; duplicates can be made by your dealer using the key code information.



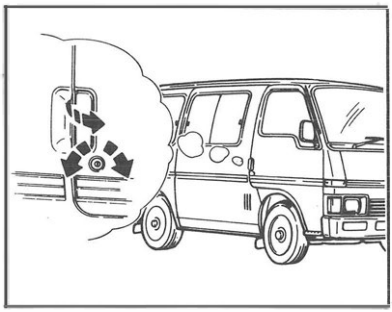
Doors

Front door handle
The doors can be opened by pulling the outside door handle.

Doors can be locked by inserting the ignition key in the door lock and turning.

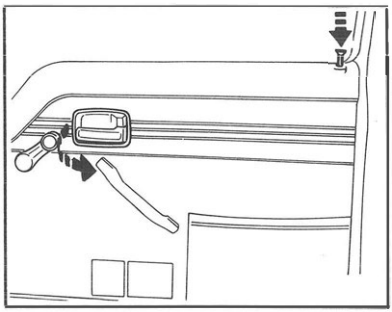
Front door lock (Outside)
The doors can be locked from the outside without using the key by setting the door lock knob on the inside of door and closing the door with the outside handle pulled outward.

Be careful not to lock your keys in the vehicle.

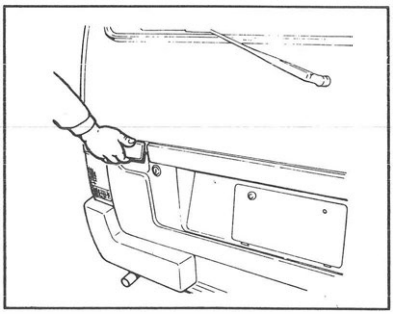


Front inside door handle
The doors can be opened by pulling the inside door handle.

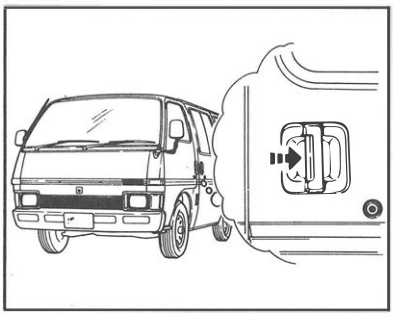
Front inside door lock
The doors can be locked by setting the door knob after closing the door.



Back door
The back door can be locked or unlocked by turning the key. The back door can be opened by pulling either handle at the right or left hand side. To close, lower it carefully.

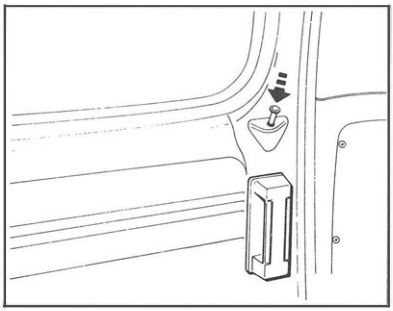


Sliding door handle (Outside)
The door can be opened from outside by pulling the handle.



Sliding door lock (Outside)
The door lock on the sliding door can be locked or unlocked by turning the key.

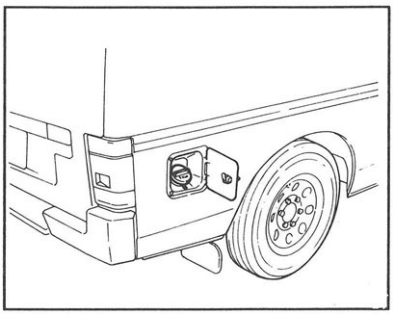
Sliding door handle (Inside)
The door can be opened from inside by pulling the handle.



Sliding door lock (Inside)
The door can be locked by setting the door knob before or after closing the door. *Before driving, be sure that the door is closed and locked especially when small children are in the vehicle.*

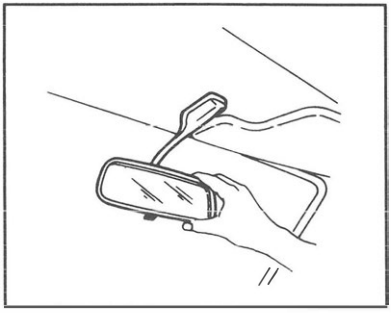
Fuel tank filler cap
The vehicle is equipped with lockable fuel filler door which can be unlocked with starter key.

After refuelling, check to be sure the fuel filler door is locked up properly.



Inside rearview mirror

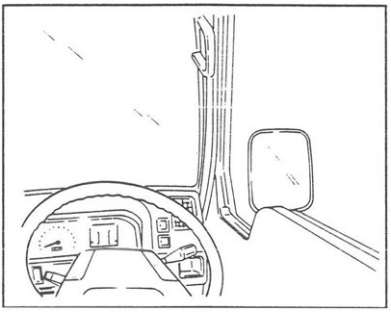
To adjust, push the mirror right or left, and up or down.



Anti-Glare Type (where fitted)

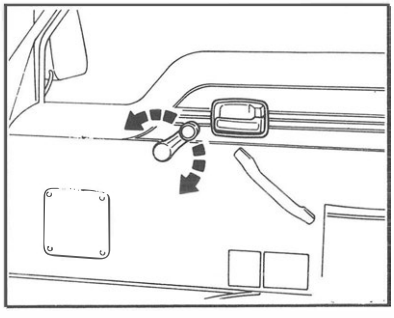
Where the anti-glare mirror is fitted, a control lever on the lower edge of the mirror enables an anti-glare reflector to be used during night driving. This reduces headlamp glare from following vehicles.

During normal daylight operation, the lever should be set forward. To reduce glare at night, move the lever backwards.



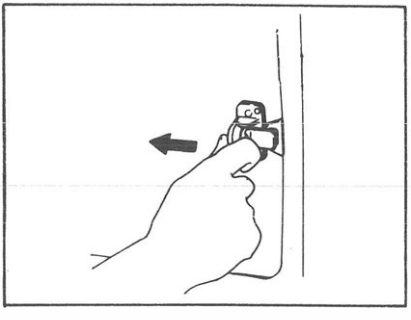
Outside rearview mirror

Adjust the outside rearview mirror so you can just see the side of your vehicle in the side of the mirror closest to the vehicle. This helps you determine your relation to objects seen in the mirror. When selecting the most suitable angle for the mirror, ensure that the driver's head is in the normal position for driving then adjust the mirror angle to suit.



Regulator handle

Turn the window regulator handle to raise or lower the door windows on the front doors.



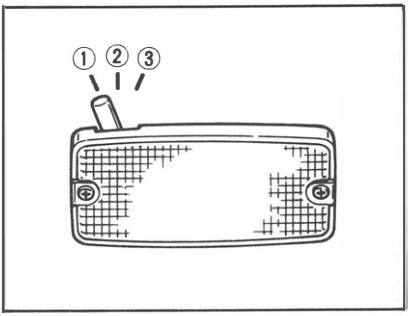
Rear Side Window (where fitted)

Slide open the windows with the window lock depressed. The windows are automatically locked when completely closed.

Interior Light

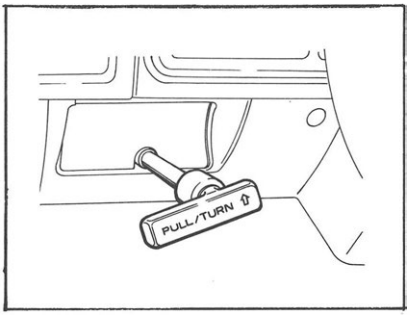
The interior light is operative at any starter switch position.

① "OFF" The light remains out.
② "DOOR" The light turns on when the door is opened.
③ "ON" The light turns on regardless of the door position.



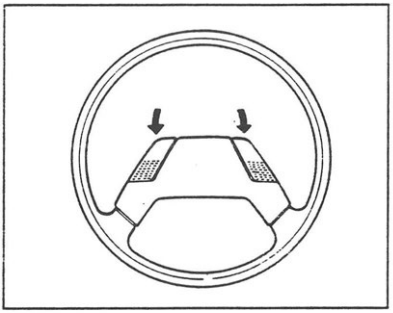
Park Brake Lever

To apply the park brake, pull out the lever. To release, turn the lever and push it back into home position. **Never drive with park brake set as this may overheat or otherwise damage park brake mechanism.**



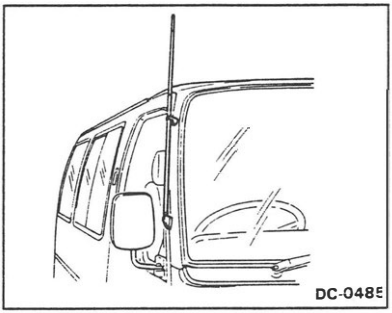
Horn

The two horn pads on the steering wheel operate the horn, regardless of the ignition key position.



Antenna

Radio reception can be improved by pulling the antenna upwards by hand.



Starting, Driving & Towing

Page

3-1 — Safety Check List
3-2 — Ignition Lock
3-2 — Starting the Engine
3-3 — Manual Transmission
3-4 — Automatic Transmission
3-5 — "Running-in"
3-5 — Fuel Consumption Tips
3-6 — Towing

Exhaust Gas Warning

(Carbon Monoxide Poisoning)

Exhaust gases contain carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

You could inhale the gases if the exhaust system on your vehicle is faulty.

To protect against exhaust gas entry into the interior of the vehicle we recommend that the exhaust system and body be thoroughly inspected:

— each time the vehicle is serviced;
— whenever a change is noticed in the sound of the exhaust system; or
— whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to your Holden dealer if you think your vehicle needs inspecting for any of the above reasons.

DO NOT SIT IN A PARKED VEHICLE FOR ANY EXTENDED PERIOD OF TIME WITH THE ENGINE RUNNING AND DON'T LEAVE THE CHILDREN OR YOUR PETS IN THE VEHICLE EITHER.

DO NOT RUN THE ENGINE IN AN ENCLOSED AREA SUCH AS THE GARAGE, ANY LONGER THAN IS NEEDED TO MOVE THE VEHICLE.

Driving with the rear door open is not recommended. If you must travel with the rear door open, close all windows, select "fresh air" with the heater controls, turn the fan to the maximum setting and do not exceed 50 km/h unless necessary.

Before Driving Off

1. Be sure that all doors are secured. (Refer page 2-4).
2. Position your seat for comfortable driving. (Refer page 2-1).
3. Adjust rear vision mirrors. (Refer page 2-6).
4. FASTEN SEAT BELTS. (Refer page 2-2).
5. Check that the warning indicators light up when you turn the key to start the engine. (Refer pages 1-2).

Before Entering the Vehicle

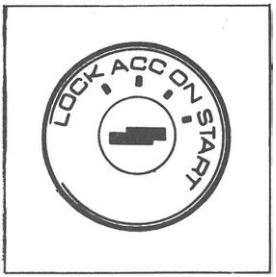
1. Check that windows, mirrors and lights are clean.
2. Check tyre inflation. (Refer page 6-9).
3. If you intend to reverse, check that the area behind your vehicle is clear.

Parking

1. Apply the parking brake.
2. Place manual transmission in Reverse gear and automatic transmissions in Park.
3. Turn ignition key to lock and remove key.
4. Shut all windows and lock all doors.

CAUTION: Be careful where you park or drive. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

Lock



Normal parking position. Accessories and engine are off. This position locks the ignition and steering when the key is removed. The key can only be removed at this position. To release the steering lock, insert the key into the switch and turn it once to "ACC" or other positions. If you have trouble turning the key to unlock the steering, turn the steering slightly to the right or left while twisting the key clockwise.

ACC

The engine is off but accessories such as the radio still operate.

ON

This is the position at which the engine is ready to start and all electrical systems are active.

Do not leave the switch in the "ON" position for a prolonged period, unless the engine is running, otherwise the battery will discharge.

START

This is the position for starting the engine. The key should be released from this position as soon as the engine starts.

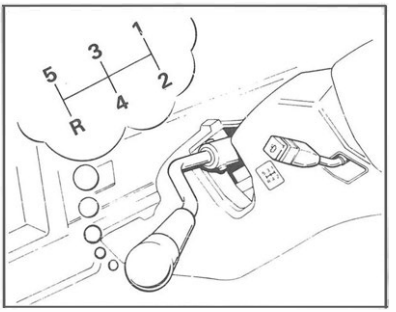
CAUTION: Do not turn the engine off while the vehicle is in motion as this renders ineffective any power assisted equipment operated by the engine. Never remove the key while the vehicle is in motion as this will lock the steering of the vehicle.

STARTING

- Apply the parking brake.
- If fitted with automatic transmission, move the shift lever to Park or Neutral. The engine will not start if it is in any other position.
- If fitted with manual transmission, depress the clutch pedal all the way to the floor.
- Pump the accelerator pedal 2 or 3 times and release.
- Crank the engine by turning the ignition key fully clockwise.
- Release the key as soon as the engine starts. The ignition key will return automatically to the "ON" position.
- If the engine does not start with the carburettor flooded, continue to operate the starter motor with the accelerator pedal depressed to the floor.
- Do not keep the starter motor engaged for more than 15 seconds at a time, wait 30 seconds before trying again.

This system has 5 fully synchronised forward gears and a non synchronised reverse gear. The shift pattern illustrated, is also found next to the gear shift lever.

Never attempt to engage "Reverse" gear until the vehicle has completely stopped. A slight pause between depressing the clutch pedal and moving into "Reverse" gear is desirable to allow all the rotating components to stop and avoid gear crashing.



To ensure minimum exhaust emissions and fuel consumption, shift the gears at the speeds indicated.

From 1st to 2nd — 15 km/h
2nd to 3rd — 30 km/h
3rd to 4th — 50 km/h
4th to 5th — 60 km/h

Operating Notes

- When shifting from one gear to another, be sure to depress the clutch pedal fully to avoid clashing and possibly chipping the transmission gears.
- Shift the gears with a moderate effort to allow time for the transmission synchronizers to work properly.
- Whenever "Reverse" is selected with the ignition on, the back-up lights will operate.
- Do not drive with your foot resting on the clutch pedal as damage to the clutch may result.
- When stopped on an incline do not hold the vehicle by slipping the clutch. Use the foot brake or parking brake.
- When climbing steep grades, change down to a lower gear before the engine starts to labour. To maintain safe speeds on a steep downgrade and to reduce brake wear and overheating, shift into a lower gear before starting the descent.
- Do not overspeed the engine when shifting down to the next lowest gear.
- Power assisted brakes which are fitted to your vehicle utilise vacuum from the engine when it is running. Never let the vehicle run down steep grades without the engine running. Never coast with the engine switched off.
- A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other material is on the road surface. Driving practices and vehicle speed should be adjusted to the road conditions.
- Driving through water may affect performance. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with an assured clear distance ahead until brake performance returns to normal.

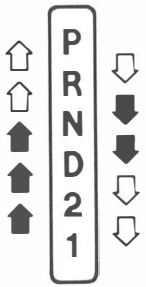
  Brake pedal travel should not be obstructed by ill-fitting floor mats or any other material under the pedal which causes interference with normal pedal movement.

  Also, your seat should be positioned so that you can reach the brake pedal satisfactorily under all braking conditions.

Depress the button on the side of the T-bar handle when shifting to R or P and when shifting from D to 2 to 1; as indicated by the arrow.

You may shift without depressing the button: into any positions indicated by the arrow.

NOTE: The engine will not start unless the selector is in P (Park) or N (Neutral).



P — (PARK)	This stops the rear wheels from turning and should be selected (together with the park brake) when leaving the vehicle. Never select P until your vehicle is fully stopped.
R — (REVERSE)	Never select R until your vehicle is fully stopped. Reversing lights will operate when R is selected and the ignition is on. After reversing, make sure the vehicle has fully stopped before proceeding forward again.
N — (NEUTRAL)	This is the out-of-gear position. You may then restart a stalled engine while the vehicle is still moving.
D — (DRIVE)	This is the normal forward driving position and allows the transmission to choose the appropriate gear for the load and driving conditions.
2 — (SECOND)	Use this position when going down a moderate gradient where you want to slow down a little without using the service brakes. Shift back into the "D" position to return to normal driving.
1 — (FIRST)	Use this position when strong braking effect is needed on a steep gradient. Shift back to "D" range so that the transmission will again upshift into direct drive.

OVERDRIVE
Overdrive (4th gear) may be turned off or on by pulling out the knob on the end of the lever controlling the windscreen wipers. The indicator light on the instrument panel will be displayed when overdrive is switched off.

- Don't rev the engine with the brakes on in either 1, 2, D or R. This will overheat the transmission.
- Don't rev the engine to hold the car on a slope. Use the brakes.
- Don't ever coast the vehicle in N — this lessens your control and the engine braking power.

Refer page 6-2 when checking automatic transmission fluid level.

"Running-in"

These days, there's no need to follow the formal running-in schedule. However, by observing a few simple precautions during the first few hundred kilometres of driving you will greatly assist your vehicle's future performance and economy.

For the first 500 kilometres, don't exceed 90 km/h. Up to 1,500 kilometres avoid driving at any one speed — either slow or fast — for any length of time. During this time, avoid full throttle starts and high engine revs.

Include some higher speeds during this period. Always drive at moderate speed until the engine has completely warmed up.

For the first 500 kilometres heavy braking should be avoided, except in an emergency, since brake misuse during this period could impair future braking efficiency.

It is best to drive your new Shuttle for 1500 kilometres before towing a load. If you must tow before this do not exceed 80 km/h on good roads. No heavy off road towing should be attempted before 1500 km.

How to Reduce Fuel Consumption

(1) VEHICLE MAINTENANCE

Maintain your vehicle in peak mechanical condition by having it serviced regularly in accordance with Holden's Maintenance Schedules. This will ensure items such as engine timing, spark plugs, air cleaner, engine idle speed etc. are maintained for least fuel consumption.

(2) TYRE PRESSURES

Keep the tyres at the recommended pressures. Under-inflated tyres create extra rolling resistance which contributes to increased fuel consumption. Refer page 6-9.

(3) WHEEL ALIGNMENT

Maintain correct front wheel alignment. Incorrect alignment makes the front wheels drag and increases fuel consumption.

(4) WARM UPS AND EXCESSIVE IDLING

- Avoid long engine warm ups. They are unnecessary and waste fuel. An engine takes approximately five minutes to reach its efficient operating temperature and it does this most effectively by driving on the road.
- You should also avoid excessive engine idling. If you have to wait for more than a couple of minutes turn off the engine to conserve fuel.

(5) ACCELERATING, DRIVING AND BRAKING

- Accelerate gently — avoid rapid starts, sudden bursts of speed and full throttle accelerations — they're certain fuel wasters.
- Drive the vehicle at steady speeds where possible (after run-in). It is desirable to achieve top gear operation, as soon as possible, but under no circumstances should you force the engine to labour in top gear.

NOTICE: "Riding the brake" by resting your foot on the brake pedal when you do not intend to brake can cause overheated brakes. This can wear out the brake linings and pads faster, damage the brakes and waste fuel.

G.C.M.

The maximum gross combined mass is 3,650 kg if trailer is equipped with braking which is initiated by driver (over-run operated trailer brakes do not come into this category).
Maximum gross combined mass is 3,000 kg if the trailer is not equipped with driver initiated braking.

Towbar Loads

The load imposed on the towbar ball must be included in the maximum rear axle loading and the maximum loaded vehicle mass, (Refer chart).

Safe Trailer Towing

- Your vehicle will handle differently with a towed load. It's a good idea to make a proper familiarization run.
- Have your vehicle correctly maintained.
- You should have an extended-arm mirror on both sides of the vehicle if vision is obscured.
- Headlights should be re-aimed if necessary with trailer attached.
- Select a suitable low gear to assist your braking when descending steep grades.
- Avoid sudden steering manoeuvres at speed to minimize trailer mass affecting vehicle and trailer control.

CAUTIONS:

1. Do not use axle-mounted hitches.
2. Trailer brakes must meet State law requirements where vehicle will be operating. Some States specify that the maximum load to be towed must not exceed the vehicle weight.
3. It is permissible to tap into the brake system with a unit not more than 0.21 cc of fluid displacement during the operation of the brakes.
4. Ensure that the tow bar does not obscure the rear licence plate, as this may violate State Law. If necessary, the tow bar tongue may need to be removed when not required for towing.
5. CAUTION: WHENEVER A TOWBAR IS REMOVED BE CERTAIN TO HAVE ANY MOUNTING HOLES IN THE UNDERBODY PROPERLY SEALED TO PREVENT THE POSSIBLE ENTRY OF EXHAUST FUMES, DUST AND WATER.
6. Correctly rated tow bar and tongue package must be used.

Maximum Vehicle Loads

Maximum Front Axle Loading Kg	Maximum Rear Axle Loading kg	Gross Vehicle Mass
1250	1600	2730 kg

At all times the total of the front axle load and the rear axle load should not exceed the maximum loaded vehicle mass specified.

Ball Load

The ball load should be in the range of 7% to 12% of the loaded trailer measured at towing ball operating height condition, (vehicle also laden) when towing tyre pressure should be adjusted to include tow ball load.

Accidents & Emergencies

Page

4-1 — What to do at the scene of the accident
4-2 — Medical Assistance
4-3 — Hazard Warning Flashers
4-3 — Flat Tyre
4-5 — Flat Battery
4-7 — Engine Overheating
4-8 — Towing a Vehicle
4-9 — Charge Indicator Warning
4-9 — Brake Warning Light
4-9 — Oil Pressure Warning
4-10 — Fuse Box
4-10 — Fusible Link

All motorists are advised to learn what to do at the scene of an accident, particularly where persons are injured. Injured people can choke to death if their air passages are not cleared. They can bleed to death unless the bleeding is stopped. They may require mouth-to-mouth resuscitation, may have to be moved, even though badly injured. It is important that you understand how to avoid further damaging an injured neck or back or other broken limbs.

The following notes may help.

- **Part 1. Accident — being involved.**
- **Part 2. Accident — being a witness.**
- **Part 3. Medical assistance.**

Part 1. Accident — being involved

If you are involved in an accident you are advised to do as follows:

Stop immediately and remember to turn off the engine and apply park brake.

Remember that time is vital. Remain calm and alert. Think quickly and clearly.

Give all possible assistance to all injured persons. (See Part 3 Medical Assistance).

Send for police and ambulance if anyone has been injured. Send information as accurately as possible. Give the exact location, the number of injured people and a brief report on the overall situation.

Perhaps take charge of the situation.

Warn all other traffic aproaching the scene. Turn off ignition switches. Stop any smoking near spilt petrol. In darkness, try and light up the area to warn others.

Clear the road of accident debris.

Exchange your name, address, vehicle registration number and the vehicle owner's name and address with the other parties involved in the accident.

If damage to property only has occurred, report the facts to the owner of the damaged property or to his or her representative; to any police present at the scene or to the nearest Police Station.

Try and note all important facts because such details may be important if needed later.

Part 2. Accident — being a witness

If you witness a road accident or it becomes your task to stop and help at the scene of an accident, do this:

Keep in mind that an observant witness can prove most helpful. Some day you yourself might be very glad of help from a witness.

DO NOT stop at the scene of an accident *just to be a spectator.*

Where other people are already in attendance and giving assistance, you should stop only if you can contribute assistance.

Give what assistance you can to any injured persons. (See Part 3 medical Assistance.)

Follow most of the steps suggested in Part 1. Perhaps you may have to take charge of the accident situation.

Part 3. Medical assistance

Keep calm and think clearly.

Your experience may not be much but do your best. Don't just stand by and let an injured person die.

- Look after the unconscious person first. Check for breathing. If no breathing, then check if air passages are clear, i.e. nose and mouth. Use your fingers to clear air passages if necessary. If the air way is clear then mouth-to-mouth resuscitation may be needed at once.

Unconscious people can choke.
Carefully turn to one side.
Tilt the head back slightly.
Wipe out the mouth with your finger to remove blood, vomit, broken teeth or dentures.

- You must be most careful in moving an injured person. Often it is best not to move at all but in conditions of danger, this is not always possible. Serious and permanent damage can be done to an injured neck or back if not supported during movement. NEVER BEND A NECK OR BACK. KEEP THEM STRAIGHT. All injured limbs require support when an injured person has to be moved.
- Provided it is not dangerous to do so because of other injuries, an unconscious person will do best in the "coma position" illustrated here.

Lay the person on one side and — if it will not aggravate any injuries — then:
Bend the uppermost knee until the thigh is at right angle to the body.
Bend the uppermost arm and elbow so that the hand lies near the face.
Gently pull the underneath arm so that is rests straight on the ground free of any body weight.

- Try to stop bleeding by applying direct pressure, using your hands, or by pressing torn flesh together. Use any clean cloth available. Fold cloths to make pads. If necessary press one pad on top of another. Keep pressure around edges of a wound BUT NEVER USE A TOURNIQUET.

  Shock may be treated by reassurance, relieving pain, controlling any bleeding and keep ing the injured person warm *but not hot.* Best not to give any fluids and NEVER ALCOHOL.

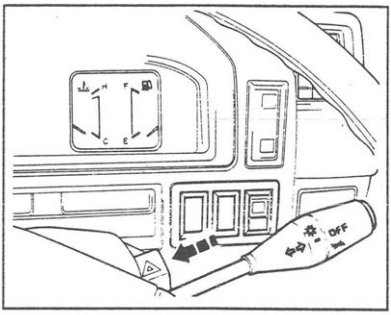
- If the injured person is in danger and has to be moved, try and have three or four people help and concentrate on not bending the neck, spine and injured limbs. **Keeping the neck and spine straight is most important.**

Illustrations reproduced from "The Victorian Road Code" with permission from Road Safety and Traffic Authority of Victoria.

Use the warning flasher to warn other drivers any time your vehicle becomes a traffic hazard, day or night.

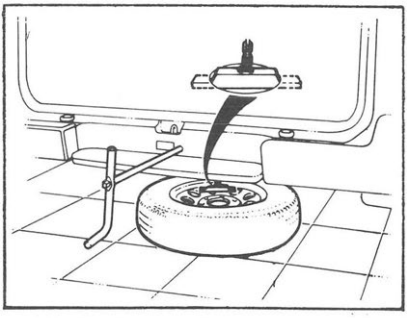
Turn on the hazard warning flasher, with the engine ignition off or on, by pushing the button located on the right side of the steering column.

To cancel the flasher, pull the button out.

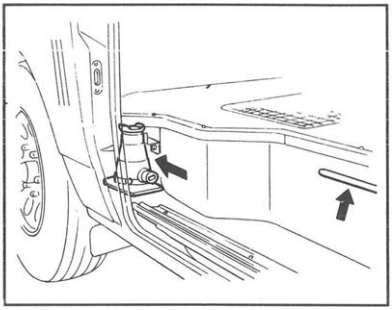


Spare Wheel Storage

The spare wheel is secured to the rear part of the underbody by a chain. To lower the spare wheel, insert the handle into the hole in the rear face of the vehicle just above the rear step. Engage the winch and turn the handle anti-clockwise to lower. Turn the handle clockwise to securely hold the wheel in the stowed position. After the wheel is secured turn the handle one additional turn.

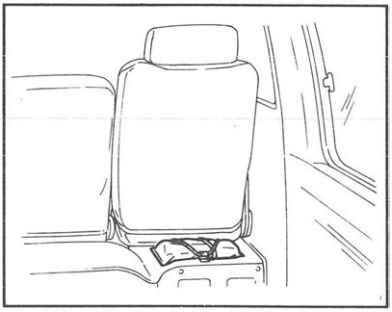


The jack is stowed in the jack compartment in the front of the side step. The jacking handle rod is installed on the step wall panel.

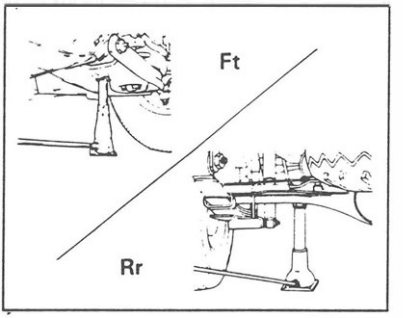


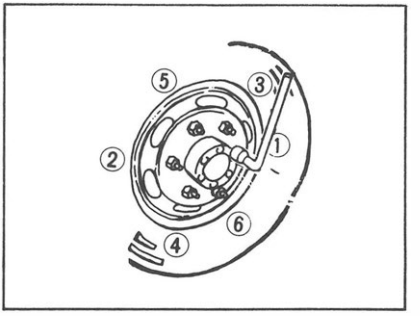
The rod extension for the jack is in the toolkit and can be used whenever necessary.

Tool set is stowed at rear of driver seat.



1. Park on a level surface and firmly put on the parking brake. Activate the hazard warning flashers and set transmission in reverse.
2. Block the wheel diagonally opposite to the jacking position. Loosen the wheel nuts slightly. Don't remove them.
3. Using the jack handle position the jack under the vehicle according to the illustration.
4. Operate the jack by placing the square end of the jack handle into the recess provided and turn the handle clockwise to raise the vehicle until the tyre clears the ground.
5. Remove the wheel nuts and change the wheel.
6. Tighten the wheel nuts with your fingers then with the wrench in the order shown. Lower the vehicle until the wheel touches the ground and is held from rotating. Fully tighten the wheel nuts using the sequence illustrated.
7. Completely lower the vehicle and remove the jack using the handle in the bracket provided.





Safety Hints

1. Carefully follow jacking instructions in order to reduce the possibility of serious personal injury.
2. The jack is designed for use ONLY when changing wheels.
3. Never get beneath the vehicle when supported by the jack only.
4. Do not start or run the engine while the vehicle is on the jack only.
5. All Passengers should be out of the vehicle when it is on the jack and the handbrake should be firmly applied.

CAUTION: As soon as practical, after a wheel change, the wheel nut torques should be checked at a Holden Dealership, or by another competent person, to ensure correct tightness of 82 N-m (65 ft-lbs).

If the engine will not turn over and start, retry after turning off ALL electrical switches, i.e. front and rear window wipers, rear demister, radio, heater fan, headlights and interior light. Also, ensure battery posts and/or cables are clean and tight.

If the engine is still turning over too slowly to start, switch on the headlights (or interior light) then again turn the ignition key to "START". If the lights are not reduced to a dim glow either before or after cranking the engine, the problem is not of a discharged battery and you should contact your Holden Dealer. However, if they were very dim then you should follow either the "jump starting" or "push starting" instructions below.

Push Starting

- NEVER TOW the vehicle to start because the surge forward when the engine starts could cause a collision with the tow vehicle.
- DO NOT attempt to push start a vehicle fitted with an automatic transmission.
- When being pushed to start the engine, turn off all unnecessary electrical loads, turn starter switch to "ON", depress the clutch pedal and place the shift lever in high gear. Release the clutch pedal when speed reaches 15-25 km/h. Bumpers and other parts contacted by the pushing vehicle should be protected from damage during pushing.

Jump Starting

CAUTION: Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, to lessen the chance of personal injury when working near a battery.

- **Do not expose the battery to open flames or sparks. Battery action generates hydrogen gas which is flammable and explosive.**
- **Do not smoke near a battery.**
- **Wear eye protection such as industrial safety glasses and avoid leaning over the battery whenever possible.**
- **Do not allow battery acid to contact eyes or skin. Flush any contacted area with water immediately. In case of eye contact you should get medical help. Battery acid will also damage paintwork and fabrics if not washed off immediately.**
- **Be sure any batteries that have filler caps are properly filled with fluid.**
- **Remove rings, metal watch bands and other metal jewellery before working around a battery.**
- **Carefully follow each step in the jump starting procedures.**

Also, never use a quick charger to start your engine.

1. The battery of your vehicle has a negative earth and a 12 volt rating. The battery in the other vehicle — that is being used to jump start the flat battery — must be the same voltage and also have a negative earth. So, check the specifications in the other vehicle's owner manual to see if it complies. Serious injury or damage may result if the wrong type of battery is used to energise the flat battery.

2. Position the two vehicles so that they are **not** touching and apply the parking brakes. Automatic transmissions are to be placed in PARK and manual transmissions in NEUTRAL. Turn off the ignition and all lights and accessories in both vehicles except the hazard flasher or any lights needed for the work area.

3. Remove vent caps from both the booster and the discharged batteries. Lay a cloth over the open vent wells of each battery. These two actions help reduce the explosion hazard always present when connecting "live" booster batteries to "dead" batteries.

4. Attach one end of the first jumber cable to the positive terminal of the **booster battery** (identified by a red colour, + or P on the battery case, post or clamp) and the other end of the same cable to the positive terminal of the **discharged battery.**

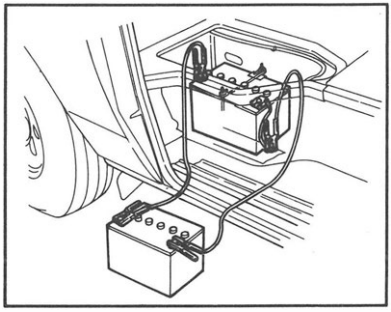
5. Attach one end of the second jumper cable to the negative terminal (black colour, − or N) of the **booster battery,** and the other end to a solid, stationary, metallic point on the vehicle with the discharged battery — such as where the negative battery cable is attached to the chassis. **Do not connect directly to negative terminal of the discharged battery).**

6. When making all connections take care that the clamps from one cable do not inadvertently touch the clamps of the other cable. Also ensure that jumper cables are not on or near pulleys, fans or other points that will move when the engine is started.

7. Start the engine in the vehicle which has the good battery and run the engine at a moderate speed. Then start the engine in the vehicle that has the discharged battery.

8. When the engine starts, leave it running then remove the jumper cables by reversing the above installation sequence exactly. While removing each clamp, take care that it does not touch any other metal while the other end remains attached.

9. Reinstall vent caps and discard cloths as these may have corrosive acid on them.



When Indicator light comes on;
When Temperature gauge indicates HOT:

If excessive hot water or steam appears from Engine Compartment.

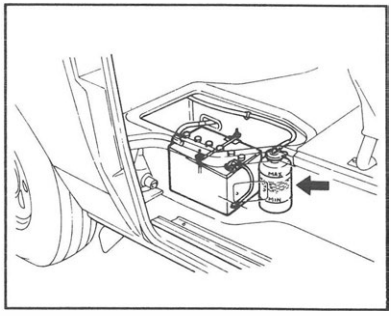
If this happens, stop by the road side and let the engine idle for about two minutes. Then turn it off and open the engine cover.

While the engine is cooling, check your fan belt for slipping or breakage and check for damage to the radiator hoses. Take care as the hoses will be hot.

Radiator Surge Tank

The radiator surge tank is provided near the battery. Coolant level is checked by opening the battery check cover on the floor near the sliding door.

Check the level of coolant and replenish at the radiator surge tank. When the level of coolant within the surge tank is found to be lower than "MIN" line of its capacity, check the cooling system for leaks, then replenish to bring the level up to the "MAX" line.



Do not overfill the surge tank. The radiator filler cap should not be removed unless necessary. The coolant level should be checked while the engine is cold. Supplement inhibitors or additives claiming to provide increasing cooling capability that have not been specifically approved by Holden's are not recommended for addition to the cooling system. It is the owner's responsibility to keep the freeze protection at a level commensurate with the temperatures which may occur in the area of vehicle operation.

CAUTION: DO NOT remove the radiator cap while the engine is still hot because the cooling system will blow out scalding fluid and steam under pressure which is likely to cause serious personal injury and loss of coolant.

Freeing Vehicle From Sand, etc.

If it becomes necessary to rock the vehicle to free it from sand, mud or snow, move the gear shift lever from second to reverse. Do not race the engine. For best possible traction, avoid spinning wheels when trying to free the vehicle. Use of tyre chains is recommended for temporary assistance when traction is lost on ice or snow.

CAUTION:
Wheel spin should not exceed 55 km/h as indicated on the speedometer. Unless care is taken in limiting rear wheel spin, one spinning wheel can reach excessive speeds, resulting in possible tyre disintegration or differential failure, which could cause personal injury or extensive vehicle damage.

Towing by a Tow Rope Type attachment

The tow rope and safety chains must be attached to tow eye at the front. Make certain that the tow rope attachment to the tow vehicle is as low as possible.

For the sake of safety and to prevent damage to the vehicle and tow rope it is advisable to avoid jerky movements and to drive slowly during towing operations.

It is always preferable to have a vehicle towed by a tow truck. If this is not possible heed the following cautions.

Never tow a vehicle on four wheels with the ignition switch in LOCK or ACC

Never tow a vehicle at speeds over 40 km/h.

Don't attach lifting hooks or chains to bumper bars or bumper brackets, or to any damaged part of the vehicle.

Only the driver should be in a towed vehicle.

Vehicles with damaged transmissions must not be towed unless the propeller shaft has been removed. Vehicles with automatic transmissions must not be towed for more than 55 km or at over 55 km/h unless the propeller shaft is removed.

Towing by Tow Truck

The vehicle should be raised until the lifted wheels are a minimum of 10 cm from the ground, care should be taken to ensure adequate ground clearance at the opposite end of the vehicle.

In cases of rear end damage it may be necessary to lift the rear end of the vehicle and tow on the front wheels only. In such cases the steering wheel must be clamped in the straight ahead position using a clamping device designed for towing service use, such as those provided by towing equipment manufacturers. **Do not use the vehicle's steering column lock for this purpose.**

When Charge Indicator Light Comes On

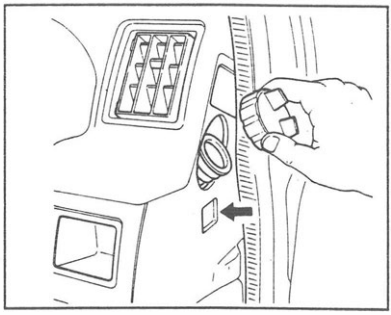
- This indicates that the alternator is not generating. Immediately stop your vehicle and check for loose or broken fan drive belt. If loose, adjust belt tension. If the belt is not found broken, or if the fan belt is not responsible for the trouble, have your Holden Dealer inspect and correct the fault.

  CAUTION: Driving under this condition will eventually discharge the battery. If the fan belt is loose or broken, overheating of engine will result. DO NOT drive for an extended period of time if the charge warning light is on.

When Brake Light Comes On

When the brake indicator light on the instrument panel turns on while driving, the fluid reservoir should be filled to the level mark. Use only recommended hydraulic brake fluid. (See lubricants).

If fluid level continues to drop as brakes are used have a Holden Dealer inspect and correct the fault IMMEDIATELY.



When Oil Pressure Indicator Light Comes On

- If the oil pressure light comes on while engine is running, immediately stop engine.

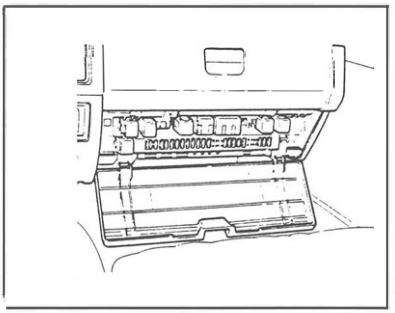
  CAUTION: Do not run the engine at high speed when the oil pressure indicator light is on, otherwise the engine may be damaged.

- Check the level of the engine oil and check for leakage of lubricating oil at the same time. Replenish with proper engine oil up to the specified level, if necessary, and restart the engine to see that oil pressure indicator light goes out.

  If the oil pressure indicator light does not go out even with sufficient level of lubricant in the crankcase, or lubricant is leaking, obtain assistance from your Holden Dealer.

- If chassis electrical trouble is encountered without extreme damage to any electrical parts, check for burned out fuse, broken wire, poor connections or poor grounding and correct as necessary.

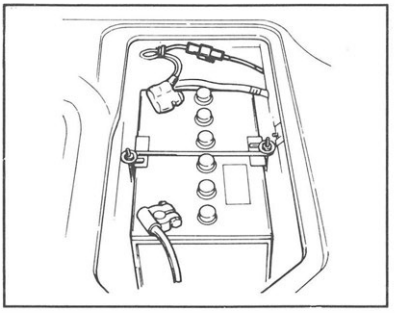
NOTE: The fuse box is located near the ash tray. 'Flip' the cover downwards. (For amperage of fuses, refer to "Specifications" in the later section.)



CAUTION: When replacing a fuse be sure to use a fuse of the specified amperage. Never install a wire or similar for replacement as it may cause a fire hazard to the vehicle.

- If the cause of trouble cannot be located through the above checks and trouble persists, contact your nearest Holden Dealer.

Fusible Link Wires



If there is an overload in the circuits from the battery, the fusible link wires are designed to melt before the entire wiring harness is damaged.

The cause of electrical overload should always be determined before replacing the fusible link wires.

If the headlights or other electrical components do not work and the fuses are O.K., check the fusible link wires.

If a fusible link wire is melted, it must be replaced.

Always use genuine Holden's fusible link wires for replacement.

Never use wire — even for a temporary fix. It may cause extensive damage and possibly a fire.

Warranty

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GENERAL MOTORS-HOLDEN'S AUTOMOTIVE LIMITED

New Vehicle Warranty

GENERAL MOTORS-HOLDEN'S AUTOMOTIVE LIMITED, HEREINAFTER HOLDEN'S, HEREBY WARRANTS THAT IT WILL MAKE GOOD, WITHOUT CHARGE, ANY DEFECT WHICH APPEARS IN THE VEHICLE IDENTIFIED IN THE VEHICLE IDENTIFICATION CERTIFICATE FOUND ON THE INSIDE OF THE FRONT COVER.

Provided

1. the defect has been notified to an authorised Holden Dealer or Service Dealer:
   (a) before the vehicle has travelled a distance of 20,000 km, or:
   (b) within 12 months of the date of delivery of the vehicle to the first retail purchaser (or in the case of a Demonstrator Vehicle within 12 months of the date when it was first placed into service by the Dealer) whichever comes first, and
2. the vehicle has been returned to an authorised Holden Dealer or Service Dealer

   And

3. the Dealer has determined that the defect complained of *is* one of material or workmanship and *is not* caused by:
   (a) misuse or abuse of the vehicle such as by racing, rallying, overloading, etc. or by neglect.
   (b) operation of the vehicle after it is known to be defective
   (c) accident or deliberate act
   (d) atmospheric fallout or flood, hail, salt, etc.
   (e) failure to carry out proper maintenance service
   (f) use of incorrect types and grades of fuel, oil or lubricants
   (g) alteration or modification of the vehicle by any party not authorised by Holden's
   (h) the fitting of parts or accessories not marketed by Holden's
   (i) any work carried out on the vehicle by someone other than an authorised Holden Dealer or Service Dealer,

BY THE DEALER (or as otherwise decided by Holden's) MAKING GOOD THE DEFECT BY REPAIR OR, AT THE OPTION OF HOLDEN'S, BY REPLACEMENT.

Excluded from this Warranty are

- defects in tyres (these being warranted by their manufacturers), and services such as enging tuning, brake adjustment, replacement of air and oil filters, wiper rubbers, etc. which are required as part of normal vehicle maintenance.

This Warranty applies only to vehicles operated in Australia and is given to the person who is entitled to possession of the vehicle whether as owner, lessee or otherwise and is given in addition to all rights conferred by law on that person.

Owners of vehicles operated outside Australia should consult their local dealer regarding the warranty applicable to their vehicles.

SPECIAL NOTICES TO OWNERS

AVAILABILITY OF SERVICE AND PARTS AFTER WARRANTY

Holden's have franchised dealers in many parts of Australia for the sale of service parts and the provision of service to owners of Holden's products. Every endeavour is made to ensure that such dealers carry adequate stocks of service parts and are equipped to provide satisfactory service, but Holden's makes no promise that after the expiration of the warranty such parts or service facilities will be available, or available at any specific location or at any particular time.

UNAUTHORISED STATEMENTS IN RELATION TO HOLDEN'S PRODUCTS

No Holden Dealer or other person is authorised or permitted to give or make any statement assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any Holden's product or in connection with the supply of any Holden's product, which is at variance with any written statement assertion or undertaking on any of these subjects given or made by Holden's in its published sales literature, and the company does not accept any liability for any such unauthorised action.

WARRANTY ON HOLDEN'S REPLACEMENT PARTS

Holden's warrants in respect of Holden's parts and accessories required as replacement parts, that it will make good by repair or at its option by replacement any defect occurring in any such Holden's parts and accessories within 12 months from the date of acquisition or in the case of a Holden's part or accessory which has been installed in a vehicle by a Holden Dealer or Service Dealer before such vehicle has travelled a distance of 20,000 kms from the date of installation, whichever first occurs.

This section is designed to assist you in understanding the terms of the Holden's Warranty provided with your new vehicle.

The following are some of the most frequently asked questions for which detailed answers have been provided.

Q. How do I go about obtaining Holden's Warranty Service?

It is the responsibility of the Selling Dealer to provide Holden's Warranty Service, therefore you should take your vehicle to that Dealer whenever Holden's Warranty Service is required. However, if this is not possible, you may go to any other Authorised Holden Dealer. The details recorded inside the front cover of this book are required by the Dealer whenever you request Holden's Warranty Service.

Note that the 1000 kilometre Warranty Service may be carried out by any Holden Dealer, provided you have a letter of introduction from the Selling Dealer. This letter must be arranged prior to obtaining the 1000 kilometre service.

Q. What should I do if, in an emergency, Holden's Warranty Service is required and an Authorised Holden Dealer is not available to provide such service at that time?

If in an amergency, a repair, replacement or adjustment (covered by the Holden's New Vehicle Warranty) is required to enable your vehicle to be operated safely and it is not practical for you to have that service performed by an Authorised Holden Dealer, the service (to the extent that it is necessary to enable your vehicle to be operated safely) may be performed by any other qualified service technician or repairer. A claim for the reasonable cost may be made through the Authorised Holden Dealer who would normally provide you with Holden's Warranty Service. You must also take your vehicle to the Authorised Holden Dealer for inspection of the service and/or the completion of any required Holden's Warranty Service as soon as possible.

Q. What should I do if my vehicle becomes unsafe or inoperative as a result of a defect which is covered by the Holen's New Vehicle Warranty?

You should contact the nearest Authorised Holden Dealer as soon as possible and arrange for that Dealer to carry out the required Holden's Warranty Service.

Q. Will I have to pay for Maintenance costs during the Warranty Period?

Maintenance costs are not covered by the Holden's New Vehicle Warranty. However, the scheduled 1000 kilometre service specified in chapter 8 of this book is free of charge (except for any lubricants used), provided that your vehicle has been operated under normal operating conditions (refer page 8-2) and provided also that no modifications (other than a modification made by or at the direction of Holden's) has been made to your vehicle. The Maintenance Schedules in this book specify the minimum maintenance required for your vehicle operating under normal conditions.

The Maintenance items, except where they are required as a result of defects in materials or workmanship, for which you will be required to pay include:-

- Engine tune-up — including replacing spark plugs,
- Replacement of any filters.
- Cleaning or flushing of fuel, coolant, brake, engine, transmission — after the 1000 kilometre service.
- Adding to or replacing lubricants.
- Any necessary adjustments to drive belts, transmission, clutch, parking brake, etc.
- Wheel balancing — after 5,000 kilometres.
- Wheel alignment.
- De-dusting or de-glazing of brake linings or pads — after the 1000 kilometre service.
- Brake lining wear or damage.
- Brake disc pad or disc wear.
- Battery re-charging.
- Paint, bright metal finish and trim, due to normal deterioration.
- Body panel adjustment — after the 1000 kilometre service.
- Door lock adjustments.
- Glass or channel adjustments — after the 1000 kilometre service.
- Body rattles, squeaks and general tightening of bolts, fastenings and fittings — after the 1000 kilometre service.
- Chipped glass or breakage.
- Torn or damaged floor mats or carpets.

Q. Will I have to pay for any costs or expenses in connection with the provision of Holden's Warranty Service?

All parts and labour used in carrying out Holden's Warranty Service at the premises of the Servicing Dealer are free of charge. Whenever Holden's Warranty Service is to be carried out by the Servicing Dealer it is your responsibility to deliver your vehicle to the Servicing Dealer's premises.

If, as a result of a defect which is covered by the Holden's New Vehicle Warranty, your vehicle cannot be driven safely and you arrange for the nearest Authorised Holden Dealer to carry out the required Holden's Warranty Service, Holden's will accept reasonable towing costs to move your vehicle to the nearest Holden Dealer's premises. Before employing a towing company, contact the nearest Holden Dealer and/or the Holden's Zone Office to obtain guidance.

Q. Are damage or injury, loss of time, inconvenience, commercial or other direct or indirect loss covered by the Holden's New Vehicle Warranty?

No, these items are not covered. The Holden's New Vehicle Warranty only covers the repair, replacement or adjustment of those parts of your vehicle which are found to be defective in materials or workmanship. No other types of claim for compensation of any kind, even if the same resulted from a consequence of a defect in materials or workmanship in your vehicle will be recognized under the Holden's New Vehicle Warranty. The rights and remedies which are available to you under any relevant Statutory Enactment or otherwise, at law, in connection with any such claim for compensation, you must pursue outside the ambit of the Holden's New Vehicle Warranty.

Q. Are my tyres covered by the Holden's Vehicle Warranty?

No. The tyres fitted to your vehicle are covered by a separate warranty provided by the tyre manufacturer. An Authorised Holden Dealer will assist you by discussing any queries which you might have with respect to the tyre manufacturer's warranty with the tyre manufacturers' representative.

Q. Are Holden's part and accessories covered by warranties?

If you purchase a Holden's part or accessory from an Authorised Holden Dealer it will be warranted by that Dealer under the Holden's parts and accessories Warranty against defects in materials or workmanship for a period of 12 months from the date at which you purchased it. In the case of a Holden's part or accessory which has been installed in a vehicle by a Holden Dealer or a Service Dealer it will be warranted for a period of 12 months or a distance of 20,000 kms from the date of installation, whichever occurs first.

Maintenance items such as filter, spark plugs, wiper blades and brake pads/linings will require replacement as part of normal vehicle maintenance. Such replacements are not the subject of this warranty.

We want you to be happy with your new vehicle together with the people you deal with while you have the vehicle.

Normally, any problems which may arise with the sales transaction, operation or servicing of your vehicle will be handled by your Dealer's Sales and Service department.

We realise however, that, with the best intentions, misunderstandings do occur sometimes.

Accordingly, we suggest you discuss any concern with one of the Dealer's management people. If you feel you haven't received satisfaction from the Sales Manager or Service Manager — go to the General Manager or to the Dealer himself.

By now you should have satisfaction. If not, you have the facility of the Holden's Customer Assistance Service office at your disposal. The Holden's Customer Assistance representatives can be telephoned from anywhere within Australia outside the Melbourne Metropolitan area (for only the cost of a local call) on 008 03 3349. The Melbourne area number is 646 5466.

If your concern relates to parts/accessories and you have made contact with the Dealer or Distributor without satisfaction, you may contact Holden's Service Parts Operation on (03) 797 7341.

Naturally, telephoning is both the quickest and the best way of contact. However, if you prefer to write the address is:

The Manager
Holden's Customer Assistance Services
GPO Box 548D
Melbourne, 3001

Your letter should clearly outline your concern or query, and include the following:

— Your name and address
— Telephone numbers, both Private and Business
— Selling dealership name and address
— Servicing dealership name and address
— Vehicle model
— Vehicle identification number (VIN)
— Date of purchase
— Current odometer reading

Most of this information will be found on the vehicle identification certificate, located inside the front cover of this book.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

N.S.W. Metropolitan

(Note: Dealership names and locations listed are effective at the time of printing. These many change from time to time without notice.)

ARNCLIFFE
Suttons Motors (Arncliffe) Pty. Ltd.,
93 Princes Highway

ASHFIELD
Muirs Motors (Ashfield) Pty. Ltd.,
252 Parramatta Road

BALGOWLAH
Mitchell Cox Holden
164 Condamine Street

BAULKHAM HILLS
Tony Packard Holden
Cnr. Victoria Avenue & Windsor Road

BLACKTOWN
West City Holden
120-128 Sunnyholt Road

CAMPBELLTOWN
Paul Wakeling Holden
Cnr. Blaxland & Campbelltown Rds.

CHULLORA
Suttons Motors (Chullora) Pty. Ltd.,
Cnr. Hume Highway & Waterloo Road

CROW'S NEST
J. N. Caldwell (Holdings) Pty. Ltd.,
1 Alexander Street

DEE WHY
Barry Smith Holden
Cnr. May and Mooramba Roads

GORDON
Sundell Holden
Cnr. Pacific Hwy. & McIntyre St.

HOMEBUSH
Suttons Motors (Homebush)
112 Parramatta Road

HOMEBUSH
Gilbert & Roach Pty. Ltd.,
167-173 Parramatta Road

KINGSFORD
John Pelligrini Holden
263-271 Anzac Parade

LAKEMBA
Nash Holden
1018 Canterbury Road

LIVERPOOL
A. C. McGrath & Co. Pty. Ltd.,
Cnr. Castlereagh St. & Hume Highway

MIRANDA
Greg Ball Holden
1-3 Kiora Road

NEWPORT
Mobil-Newport
Cnr. Barrenjoey Road & Seaview Avenue

PADSTOW
Purnell Bros. Holden
19 Davies Road

PARRAMATTA
Boyded Parramatta
65 Church Street

PENNANT HILLS
Les Vagg Holden
351-355 Pennant Hills Road

PENRITH
Lance Motors (Penrith) Pty. Ltd.,
39-47 Henry Street

ROCKDALE
Boyded Rockdale
571 Princes Highway

RYDE
Hunter Holden
603-605 Victoria Road

ST. MARY'S
Lance Motors Pty. Ltd.,
Cnr. Glossop & Harris Streets

WAITARA
Sutton Motors
90 Pacific Highway

WARRAWONG
Dwyers Warrawong
King Street

WINDSOR
Erichsen Motors
122 George Street

N.S.W. Country

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- ADELONG
- ALBURY
- ARDLETHAN
- ARMIDALE
- BALLINA
- BARHAM
- BATHURST
- BEGA
- BELMONT
- BELLINGEN
- BLAYNEY
- BOMBALA
- BOURKE
- BOWRAL
- BREWARRINA
- BROKEN HILL
- CANOWINDRA
- CARDIFF
- CASINO
- CESSNOCK
- COBAR
- COFF'S HARBOUR
- COLLARENEBRI
- COOLAMON
- COOMA
- COONABARABRAN
- COONAMBLE
- COOTAMUNDRA
- COROWA
- COWRA
- CROOKWELL
- DENILIQUIN
- DORRIGO
- DUBBO
- EDEN
- FINLEY
- FORBES
- GILGANDRA
- GLEN INNES
- GLOUCESTER
- GOSFORD
- GOULBURN
- GRAFTON SOUTH
- GRENFELL
- GRIFFITH
- GULARGAMBONE
- GUNDAGAI
- GUNNEDAH
- GUNNING
- GUYRA
- HARDEN
- HAY
- HOLBROOK
- INVERELL
- JERILDERIE
- JUNEE
- KANDOS
- KATOOMBA
- KEMPSEY
- KIAMA
- KURRI KURRI
- KYOGLE
- LEETON
- LISMORE
- LITHGOW
- MACKSVILLE
- MACLEAN
- MAITLAND
- MOREE
- MORUYA
- MULLIMBIMBY
- MURWILLUMBAH
- MUSWELLBROOK
- NARRABRI
- NARROMINE
- NEWCASTLE
- NOWRA
- NYNGAN
- ORANGE
- PARKES
- PEAK HILL
- PORT MACQUARIE
- QUIRINDI
- SCONE
- SINGLETON
- SPRINGWOOD
- TAMWORTH
- TAREE
- TEMORA
- TENTERFIELD
- TORONTO
- TUMBARUMBA
- TUMUT
- TWEED HEADS
- ULLADULLA
- WAGGA
- WALCHA
- WALGETT
- WALLA WALLA
- WARIALDA
- WARILLA
- WARREN
- WELLINGTON
- WEST WYALONG
- WOLLONGONG
- WOODENBONG
- WYONG
- YASS
- YOUNG

AUSTRALIAN CAPITAL TERRITORY

CANBERRA CITY
Beazley & Bruce Pty. Ltd.,
44 Mort Street

PHILLIP
Commonwealth Motors Pty. Ltd.,
158 Melrose Drive

BELCONNEN
Gerald Slaven Holden
Josephson Street

Vic. Metropolitan

BERWICK
Barry Bourke Holden
755 Princes Highway

BRAYBROOK
Kevin Dennis Holden
272 Ballarat Road

BUNDOORA
Watson Holden
413 Grimshaw Street

BURWOOD
Penfold Holden
63 Burwood Road

CAULFIELD
Booran Holden
1049 Glenhuntly Road

CHELSEA
Harrison Holden
370 Nepean Highway

CHELTENHAM
Balmoral Holden
1212 Nepean Highway

DANDENONG
Graeme Blanchard Holden
Princes Highway

ELSTERNWICK
Reg Hunt Motors
77 Nepean Highway

ESSENDON
Preston Motors (Essendon) Pty. Ltd.,
205-211 Keilor Highway

FAWKNER
Mantello Holden
1263 Sydney Road

FERNTREE GULLY
Neilson Holden F.T.G.
980 Burwood Highway

FOOTSCRAY
Alan Mance Holden
435 Barkly Street

FRANKSTON
Noel Gould Holden
140 Dandenong Road

GEELONG
R. & B. Smith Pty. Ltd.,
510 Moorabool Street

GEELONG
Winter & Taylor (Sales) Pty. Ltd.,
23 Cavendish Street

GLEN WAVERLEY
Geoff Brady Holden
565-577 Springvale Road

HASTINGS
Westernport Holden
843 Frankston-Flinders Road

LILYDALE
Noel Dight Holden
Main Street

MORNINGTON
Peninsula Holden
Cnr. Nepean Highway & Tyabb Road

OAKLEIGH
Garry & Warren Smith Pty. Ltd.,
1575 Dandenong Road

RINGWOOD
Paterson Cheney Holden
45-57 Maroondah Highway

SOUTH MELBOURNE
Patterson Cheney Holden
132 Sturt Street

WERRIBEE
Ballan Holden
Princes Highway

WEST MELBOURNE
Reg Hunt Motors
577 King Street

Vic. Country

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- ARARAT
- BAIRNSDALE
- BALLARAT
- BENALLA
- BENDIGO
- BIRCHIP
- BOORT
- CAMPERDOWN
- CASTERTON
- CASTLEMAINE
- CHARLTON
- COBRAM
- COHUNA
- COLAC
- COLERAINE
- CORRYONG
- DAYLESFORD
- DERRINALLUM
- DIMBOOLA
- DONALD
- ECHUCA
- EUROA
- FOSTER
- HAMILTON
- HOPETOUN
- HORSHAM
- KANIVA
- KERANG
- KOOWEERUP
- KORUMBURRA
- KYABRAM
- KYNETON
- LEONGATHA
- MAFFRA
- MANSFIELD
- MARYBOROUGH
- MILDURA
- MINYIP
- MIRBOO NORTH
- MOE
- MORTLAKE
- MURRAYVILLE
- NATHALIA
- NHILL
- NULLAWIL
- ORBOST
- PORTLAND
- QUAMBATOOK
- ROCHESTER
- RUTHERGLEN
- SALE
- SEA LAKE
- SEYMOUR
- SHEPPARTON
- ST. ARNAUD
- STAWELL
- SWAN HILL
- TALLANGATTA
- TIMBOON
- TRARALGON
- UNDERBOOL
- WANGARATTA
- WARBURTON
- WARRACKNABEAL
- WARRAGUL
- WARRNAMBOOL
- WODONGA
- WONTHAGGI
- YARRAM
- YARRAWONGA

TASMANIA

HOBART
Motors Pty. Ltd.,
179 Macquarie Street

BURNIE
Motors Pty. Ltd.,
84-89 Marine Terrace

DEVONPORT
Motors Pty. Ltd.,
628 Victoria Parade

KING ISLAND
Island Motors Pty. Ltd.,
Netherby Road, Currie

LAUNCESTON
Motors Pty. Ltd.,
93 Elizabeth Street

SMITHTON
Motors Pty. Ltd.,
16 Nelson Road

ULVERSTONE
Motors Pty. Ltd.,
99 Reibey Street

Metropolitan

ALBION
Bill Harrison Car Sales
Frodsham Street & Crosby Road

ASPLEY
Zupps (Aspley) Pty. Ltd.,
1442 Gympie Road

BEENLEIGH
Crest Holden
81-83 Logan River Road

CLEVELAND
Brian Trebble Motors
6 Wellington Street

IPSWICH
Zupps Holden
246 Brisbane Road, Booval

MOOROOKA
John Sivyer Holden
1060 Ipswich Road

MT. GRAVATT
Zupps Motors Pty. Ltd.,
1310 Logan Road

NEWSTEAD
Eagers Retail Pty. Ltd.,
95 Breakfast Creek Road

NUNDAH
Eagers (Northside)
1319 Sandgate Road

PETRIE
North Pine Motors Pty. Ltd.,
Gympie Road

REDCLIFFE
Village Holden
425 Elizabeth Street

SPRINGWOOD
Motorama Holden
Pacific Highway & Brennan Street

WINDSOR
Leach Holden
143 Newmarket Road

WOOLLOONGABBA
Armstrong Holden
73 Ipswich Road

WYNNUM
Doug Barton Holden
200 Tingal Road

Country

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- ATHERTON
- AUGATHELLA
- AYR
- BEAUDESERT
- BEERWAH
- BILOELA
- BLACKWATER
- BOWEN
- BUNDABERG
- CABOOLTURE
- CAIRNS
- CALOUNDRA
- CAPELLA
- CHARLEVILLE
- CHARTERS TOWERS
- CHINCHILLA
- CLONCURRY
- CROWS NEST
- CUNNAMULLA
- DALBY
- EMERALD
- GATTON
- GAYNDAH
- GLADSTONE
- GOONDIWINDI
- GYMPIE
- INGHAM
- INNISFAIL
- JULIA CREEK
- KILCOY
- KINGAROY
- LAIDLEY
- LONGREACH
- MACKAY
- MAREEBA
- MARYBOROUGH
- MITCHELL
- MONTO
- MORANBAH
- MOURA
- MT. ISA
- MURGON
- NAMBOUR
- NANANGO
- NOOSA HEADS
- PROSERPINE
- QUILPIE
- ROCKHAMPTON
- ROMA
- SOUTHPORT
- SPRINGSURE
- STANTHORPE
- ST. GEORGE
- SURAT
- TARA
- THEODORE
- TOOWOOMBA
- TOWNSVILLE
- TULLY
- WARWICK
- WINTON
- YULEBA

Metropolitan

CANNINGTON
Brian Gardner Holden
1308 Albany Highway

FREMANTLE
Shacks Holden
64 Queen Victoria Street

GOSNELLS
Lance Gibbons Holden
2325 Albany Highway

MELVILLE
Melville Motors Pty. Ltd.,
532-536 Canning Highway

MIDLAND
John Goldie Holden
161 Great Eastern Highway

MORLEY
Metro Motors Pty. Ltd.,
212 Walter Road

NAVAL BASE
Shacks Cockburn
15 Rockingham Road

OSBORNE PARK
North City Holden
Cnr. Scarborough Beach Road
& Harborne Street

PERTH
City Motors
505 Newcastle Street

VICTORIA PARK
Young's Holden
529 Albany Highway

WANNEROO
Phoenic Holden
216 Berriman Drive

Country

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- ALBANY
- AUGUSTA
- BEVERLEY
- BOYUP BROOK
- BRIDGETOWN
- BROOKTON
- BROOME
- BRUCE ROCK
- BUNBURY
- BUSSELTON
- CARNAMAH
- CARNARVON
- COLLIE
- CRANBROOK
- DALWALLINU
- DERBY
- ESPERANCE
- GERALDTON
- GNOWANGERUP
- KALGOORLIE
- KATANNING
- KELLENBERRIN
- KOJONUP
- KUNUNURRA
- MANJIMUP
- MERREDIN
- MOORA
- MORAWA
- MT. BARKER
- NAREMBEEN
- NARROGIN
- NORTHAM
- PORT HEDLAND
- WAGIN
- WILLIAMS
- WYALKATCHEM

S.A. Metropolitan

ADELAIDE
City Holden
203-221 Grenfell Street

ELIZABETH
Peter Page Holden
Elizabeth Way

GLENELG
John H. Ellers Pty. Ltd.,
282 Brighton Road

MALVERN
Claridge Motors Pty. Ltd.,
361-367 Unley Road

PORT ADELAIDE
Smith Motor Co. Pty. Ltd.,
171 Commercial Road

REYNALLA
Southgate Holden
49-59 Main South Road

THEBARTON
United Motors
1 Port Road

VALLEY VIEW
Plaza Holden
817-839 North East Road

S.A. Country

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- BALAKALAVA
- BERRI
- CEDUNA
- CLEVE
- CRYSTAL BROOK
- CUMMINS
- GAWLER
- JAMESTOWN
- KADINA
- KEITH
- KINGSCOTE
- KINGSTON
- LAMEROO
- LOXTON
- MAITLAND
- MALLALA
- MENINGIE
- MILLICENT
- MT. BARKER
- MT. GAMBIER
- MURRAY BRIDGE
- NARRACOORTE
- PORT AUGUSTA
- PORT LONCOLN
- PORT PIRIE
- RENMARK
- STRATHALBYN
- TANUNDA
- TUMBY BAY
- VICTOR HARBOUR
- WAIKERIE
- WHYALL
- YANKALILLA
- YORKETOWN

N.T.

ALICE SPRINGS
Kittle Bros (Alice Springs) Pty. Ltd.,
Cnr. Wills Terrace & Railway Terrace

KATHERINE
Master Motors N.T.
1130 Victoria Highway

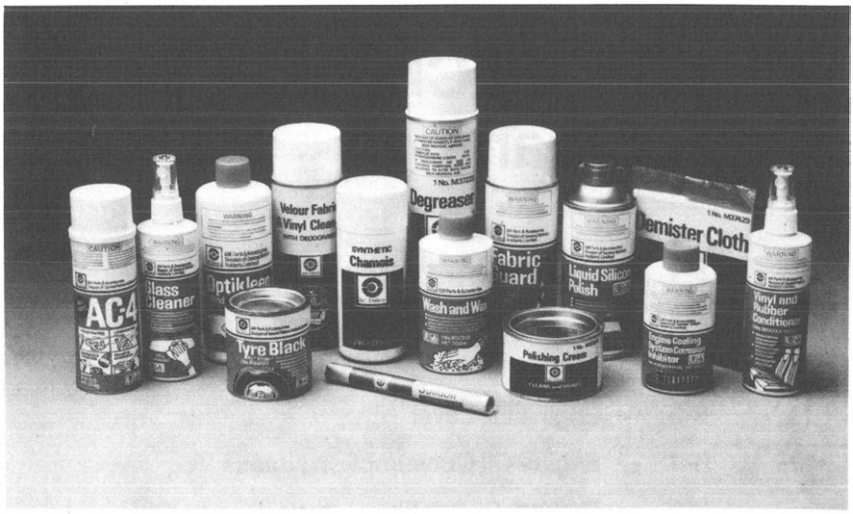
DARWIN
Suttons Motors (Darwin) Pty. Ltd.,
21-25 Stuart Highway

Weekly Checks & Cleaning

Page
6-1 — Cleaning
6-2 — Engine Compartment Cover
6-2 — Automatic Transmission Fluid Level
6-3 — Engine Oil Level
6-4 — Engine Oil Consumption Notes
6-5 — Brake & Clutch Fluid Levels
6-6 — Windshield Washer Fluid
6-6 — Rear Window Washer Fluid
6-7 — Coolant Level
6-8 — Battery Fluid Level
6-9 — Tyres
6-11 — Bulb Replacement

The paint on your Shuttle is finished in acrylic enamel and will stay bright and new-looking provided you wash and wax it regularly, using approved products. Weekly washing is recommended if the vehicle is being used constantly or if it is not parked under cover.

Before you wash the paintwork, thoroughly wash in and around the front and rear windows and check that door drain holes, tailgate drain holes and rocker sill vents are clean. Hose off any heavy dirt on the glass, but leave final cleaning of the glass until last.



Washing Tips

Use either cold or warm water — preferably running.

Use clean chamois cloths, sponges or rags (old, clean linen is better than new material for glass).

Don't wash your vehicle in bright sunlight — it will streak.

Grease and oil can be removed with a little kerosene or white spirits. Flush with water afterwards.

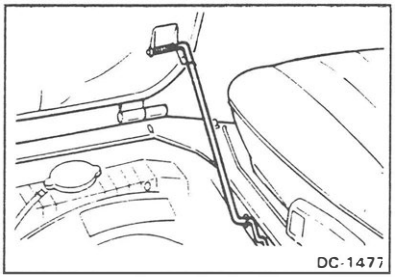
If petrol is spilled during refilling, flush with water immediately.

Be sure that your cleaner, polish or wax is suitable for acrylic finishes. Holden's Wash & Wax from your Holden Dealer is highly recommended.

Insect spots can be removed with a mixture of 220 grams of baking soda and 2 litres of water. Flush clean afterwards. New tyre look can be restored with Holden's Tyre Black from your Holden Dealer.

Tarnished chrome responds well to Holden's Polishing Liquid.

Engine Cover



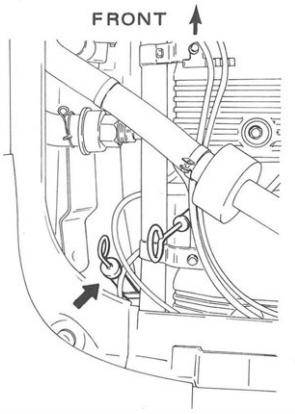
To gain access to the engine, move lock lever on right side of the middle seat forward and fold the back of the seat down.

There are two levers under the mat at the rear of the middle seat. First unlock the lever on the passenger side, then hold the release lever (on the driver's side) open while lifting the engine cover up.

Ensure that the support stay is in position when the cover is lifted.

Automatic Transmission Fluid Level

The level of fluid in the automatic transmission should be checked weekly, by looking at the fluid level on the dipstick. Refer to the diagram for location. Dirt in the transmission can cause breakdowns, so be careful when checking or adding fluid.



The vehicle must be standing on level ground with the engine running.

The gear shift selector should be in PARK and the hand brake applied.

Remove the dipstick, wipe it clean with a clean cloth or paper and reinsert it fully. Now remove it again, and read the fluid level.

If checking the fluid when transmission is warm (after the vehicle has been driven for at least 10 minutes) the level should be between the 2 markings above and below the word "HOT".

If the transmission is cold, the fluid level should be between the 2 markings above and below the word "COLD".

If adding fluid, use only *DEXRON II AUTOMATIC TRANSMISSION FLUID. Add the fluid in the same opening as the dipstick is stored in, and wait 1 minute for the oil to settle. Again check the level with the dipstick and add further oil if necessary. Remember to always replace the dipstick.

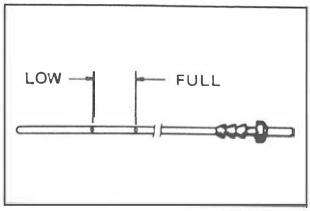
NOTE: If fluid has to be added often, there may be a problem or leak — and you should see your Holden Dealer.

*DEXRON II is a registered trademark of General Motors Corporation.

The engine oil must be maintained at the right level to assure proper lubrication of your vehicle's engine. It is the owner's responsibility to check the oil level at regular intervals. The best time to check the engine oil level is when the oil is warm, such as during refuelling stops. During the running-in period you should check the oil level more frequently since oil consumption may be higher.

To check the engine oil level accurately, the vehicle must be on level ground. After stopping the engine, wait a few minutes for the oil to settle.

The level is checked from the dipstick, located on the rear, passenger side of the engine.



Remove the dipstick and wipe it clean with clean cloth or paper. Insert the dipstick firmly all the way down, pause for a second then withdraw the dipstick and look at the oil level on it.

The oil level should be maintained between the two marks, neither going above the FULL mark nor under the LOW mark. Remember to reinsert the dipstick firmly after taking the reading.

If you need to add oil, use SF grade engine oil 20W/40 (or 20W/50) in high temperature areas).

To add oil, remove the oil cap on top of the engine and pour the oil into the opening. Wait a few minutes for the oil to settle. Then check the oil level with the dipstick again. If still too low, add more oil, if now correct, replace the cap and dipstick.

If you check the oil level when the oil is cold do not run the engine first. The cold oil will not drain back into the oil pan fast enough to give a true oil level reading.

NOTE: If oil is to be added often, there may be a problem or leak — and you should see your Holden Dealer.

NOTE: Non-detergent and other low quality oils are specifically not recommended. The use of break-in oils, tune-up compounds, friction-reducing compounds and other supplemental additives are not recommended; theis use will only increase operating costs.

Every internal combustion engine uses a certain amount of oil, especially during the running-in period. Your engine is dependant on oil to lubricate the cylinder walls, pistons, rings and valve stems. A thin film of oil is left on the cylinder walls, some of which is carried into the combustion chamber and burnt during the combustion process. This also applies to the film of oil on the valve stems which is drawn into the combustion chamber and burnt.

There are several other factors that contribute to the rate of oil consumption in your engine, apart from mechanical malfunctions such as worn pistons, rings, valve stems and guides. These factors are: the way in which the vehicle is operated, the quality and grade of oil, the oil level, and dilution of the oil.

- **Operation of the Vehicle**
  Sustained high engine speeds will increase oil consumption because higher speeds increase engine temperature which lowers oil viscosity thus allowing more oil to reach the combustion chamber. Towing a heavy load will also result in increased oil consumption due to increased engine temperature and hence lower oil viscosity.

  It is recommended that heavy load towing be done only after the vehicle has been 'run-in'.

- **Quality and Grade of Oil**
  Oil viscosity is a significant factor in oil consumption, therefore if you use an oil which is too "thin" (low viscosity) your oil consumption will increase.

- **Oil Level**
  Maintaining a proper oil level is also an important factor in controlling oil consumption. An overfull crankcase allows the reciprocating parts of an engine to splash oil onto the cylinder walls in quantities greater than the piston rings can control. This excess oil will be drawn into the combustion chamber and burnt. Refer to 'Checking Oil Level' on previous page.

- **Dilution**
  Probably the most prevalent complaint of oil consumption comes from the motorist whose vehicle is frequently driven at below normal operating temperatures. The oil becomes diluted by fuel and moisture which settles in the oil pan and may even raise the oil level creating a false reading on the oil level dipstick. For example, in a vehicle that has accumulated 1,500 kilometres of short distance or intermittent city operating and has consumed a normal amount of oil, the level may not have dropped from the "Full" mark, due to dilution. If this vehicle is driven for some distance at highway speeds on a warm day, the dilution elements evaporate, lowering the oil level and the motorist assumes the oil "lost" has been consumed in the highway operation.

  After taking into account the above factors, you are still concerned that your engine has excessive oil consumption then you should discuss the situation with a Holden Dealer. Remember that an engine's oil consumption should not be judged until it has run at least 7,000 kilometres.

Oil Filter Replacement

The full-flow oil filter, with non-return check-valve, filters all the engine oil delivered by the oil pump. For this reason the interval of filter change is very important.

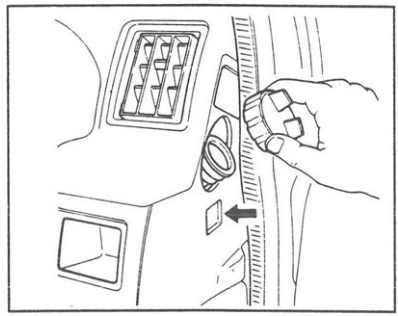
The oil filter should be replaced as shown in the maintenance schedule.

Under prolonged dusty driving conditions it is recommended that the oil filter be replaced more often.

The level of the brake and clutch fluid should be checked once a week.

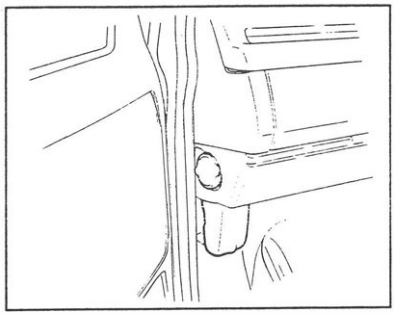
The fluid should be maintained to the level marking on the reservoir. If fluid needs to be added, use brake fluid to Holden's specification HN1796.

If the reservoir requires constant topping up it could indicate that a malfunction exists and you should contact your Holden Dealer.



Windshield washer tank

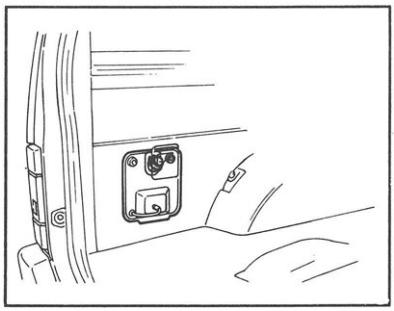
The tank should be filled only with plain water or Holden's Optikleen washer solution. (Part No. M37068.)



Rear window washer tank

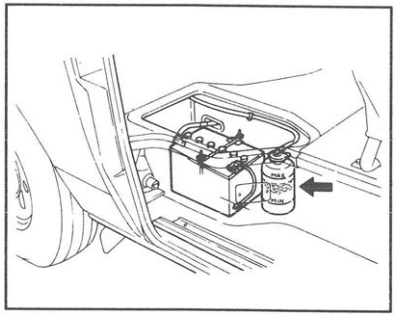
The washer tank is installed in the inside panel at the left rear wheel arch.

The tank should be filled only with plain water or Holden's Optikleen.



The level of coolant should be checked at least weekly. This is simply a matter of looking at the level in the coolant reservoir next to the battery.

When the engine is cold the coolant level should be at or above the MINIMUM mark on the container. After the vehicle has been driven and the engine is at normal operating temperature, the level should be somewhere between HALF FULL and MAXIMUM mark on the container.



The long life coolant in your vehicle conforms to Holden's specification number HN 1897. This can be purchased as part number M39288 (1 litre) or M39338 (4 litres). If the recovery reservoir requires topping up, first premix a solution in a concentration of ⅓ additive to ⅔ water by volume. Flip up the cap on top of the reservoir, add the premixed solution and secure the cap.

If you regularly have to top up the recovery reservoir you should see your Holden Dealer for a cooling system check.

In emergency situations, plain water may be used temporarily in the cooling system until the correct Holden's long life coolant is obtained as soon as possible from the nearest Holden Dealer.

It should be noted that the above (glycol based) long life coolant contains special corrosion inhibitors for the best corrosion protection of your engine and cooling system. This long life coolant also gives your cooling system greater hot weather protection by increasing the boiling point and in addition provides protection in cold weather conditions down to −16°C, provided the correct concentration is maintained.

If the recommended brand of coolant/anti-freeze fluid is not available, the radiator, and cylinder case, MUST be drained before parking in regions where temperature of 0°C or below are encountered. This is to prevent possible bursting of the radiator, or cracking of the cylinder block which can occur if the coolant freezes. Even so, damage to the heater core may still occur, therefore the use of the correct anti-freeze/coolant is recommended.

CAUTION: Corrosion inhibitors and anti-freeze fluids are poisonous. Use extreme care when handling. If swallowed seek medical attention.

Refer to page 4-7 if engine overheats.

The level of battery fluid will be checked when you take your vehicle in for a service.

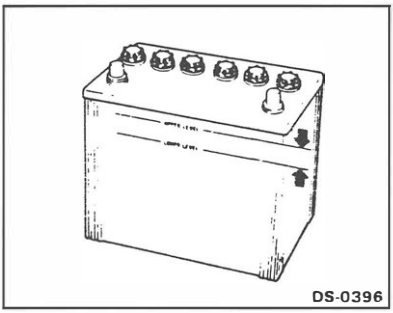
However, if the vehicle is operated in hot ambient temperatures or at constant, high speed use, the battery fluid level should be checked at least twice between the dealer services.

CAUTION:
Batteries emit an explosive gas mixture which may be ignited by sparks or naked flames. You should therefore keep sparks and flames away from the battery at all times and never smoke near a battery.

Batteries contain sulphuric acid. If acid contacts skin or clothing, flush immediately with lots of water. In case of eye contact, flush with lots of water and contact a doctor immediately.

Take care with all metal objects and tools including items you may wear (e.g. jewellery, rings and metal watchbands) near battery terminals. Metal objects that touch battery terminals can cause sparks and serious heat burns to the user or wearer.

Each cell must be individually checked. Use distilled water, as required to maintain the fluid between the indicators on the outside of the battery.



Refer to page 4-5 for emergency starting when battery is flat.

For correct tyre inflation pressures for your vehicle refer to page 7-3.

Always check tyre pressure when the tyres are cold, and always use a tyre pressure gauge. Your eye can deceive.

Tyre Pressure Recommendations

1. Tyre pressures should be checked when the tyres are cold (when the vehicle has been standing for 3 hours or more, or driven less than 2 kilometres).
2. Tyre inflation pressures may increase as much as 30 kPa (4 psi) when hot, (after the vehicle has been driven 15 kilometres or at speeds of more than 95 km/h). DO NOT reduce pressures to compensate for this build up. As a guide for checking warm/hot tyres under all conditions, allow pressure to read 30 kPa (4 psi) above the recommended.
3. It is recommended that the pressures are checked at least weekly. For constant long distance or rough road travelling daily checking is recommended. To maximise the protection of tyres on vehicles operating for prolonged times over rough roads, i.e. particularly in outback conditions, it is recommended that the cold tyre inflation pressure recommended for maximum load conditions as shown on the tyre chart be used.
4. Do not forget the spare tyre: It is advisable to maintain the spare at the **maximum recommended tyre inflation pressure listed on the tyre chart.**

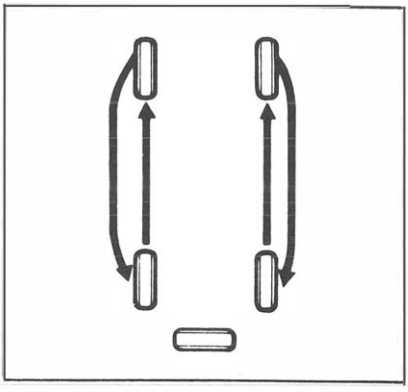
Tyre Rotation

If no abnormal or uneven wear is evident, if you have not experienced any vibration, tyres need not be rotated.

Front tyres are more prone to wear on the shoulder while rear tyres wear more on the crown. Wear can be evened out by rotating the tyres.

Your Holden Dealer will be able to diagnose any unusual signs of wear and can also balance the wheels and tyres for you.

RADIAL TYRE ROTATION



Tyre Replacement

Use only tyres recommended. Don't mix cross ply and radial ply tyres on your vehicle and don't mix radial ply tyres with other types of tyres. New tyres should be fitted in pairs to the front but if replacing only one tyre, pair it with the least worn of the old tyres.

And if you replace all tyres with tyres of a different size, your speedometer readings may be affected. Have the vehicle checked afterwards.

Tyres with a higher speed rating and/or with a maximum load rating in excess of that listed on the tyre placard for tyre size listed are also acceptable as replacements provided they are fitted to a suitable rim size.

Uneven or abnormal tyre wear is usually the result of incorrect inflation pressure, improper wheel alignment, wheels being out of balance, or poor driving habits. The original equipment tyres incorporate built-in tread wear bars which act as indicators to assist in determining when the tyres have worn to the point of needing immediate replacement.

When the wear bars appear, tyre replacement should not be delayed, in the interests of safety.

Tyre Traction

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tyre and road surface. This phenomenon, known as hydro-planing, may cause partial or complete loss of traction, which adversely affects vehicle control and stopping ability. To reduce the possibility of traction loss, the following precautions should be observed:

1. Reduce speed levels during rainstorms or when roads are slushy and if the road has standing water or puddles.
2. Replace tyres when tread wear indicators are visible.
3. Check that tyres are properly inflated for vehicle loading.

Heavy Treads

Caution must be exercised when using tyres with heavy treads, including tyres designed to gain traction in bad weather conditions.

At sustained high speeds, this type of tyre will run at higher temperatures than standard tyres and consequently should only be operated within the limits recommended by the manufacturer.

Any doubts concerning the fitness of the tyres on your vehicle should be referred to your Holden Dealer, who will be pleased to advise.

Tyre Damage and Repair

Tyres with cuts, splits or cracks deep enough to expose the fabric, should be replaced. Bulges also indicate internal damage, and these tyres should also be replaced. Tyres with doubtful damage should be removed from the wheel and examined by a competent person.

If a pressure loss occurs while driving, do not attempt to drive on the deflated tyre more than is necessary to stop safely. Driving even a short distance on a deflated tyre can damage it beyond repair.

When puncturing objects are removed, repairs will have to be made according to the rcommendations of the tyre manufacturer.

It should always be remembered that a tyre which has been repaired will not be able to be operated safely at the rated maximum speed and due care should be taken.

Replacement Wheels

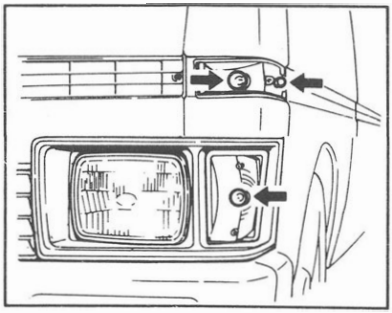
When replacing wheels for any reason, care should be taken to ensure that the wheels are equivalent to those removed in diameter, rim width and offset.

Headlights

Proper aiming of the headlights is most important to assure correct illumination of the highway without blinding other motorists. Headlamp aiming or replacement should be carried out by your Holden Dealer.

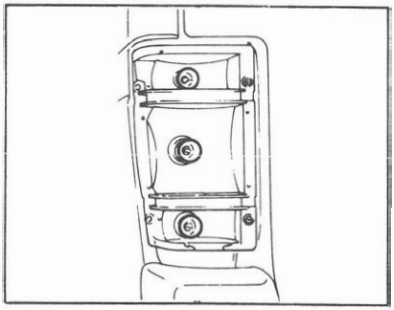
Front and side turn signal lamps

Remove screws retaining the lens and remove the lens. To remove light bulb, push it in and turn anticlockwise.



Rear Combination Lights

Remove screws retaining the lens and remove the lens. Bulb socket sequence from the top downward is, Turn Signal Light, Stop and Tail Light, Back-Up Light.



Dome Lights

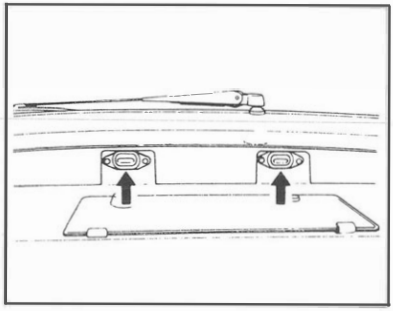
Access to bulb can be obtained by removing the two screws.

Front parking lights

Remove screws retaining the lens and remove the lens. To remove light bulb, push it in and turn anticlockwise.

Licence Plate Lights

Remove screws retaining the lens and remove the lens.



Specifications & Emissions

Page
7-1 — Engine Specifications
7-1 — Fuel Tank Specifications
7-2 — Transmission Specifications
7-2 — Rear Axle Specifications
7-2 — Steering Specifications
7-2 — Brake & Clutch Specifications
7-2 — Wheel Bearing Specifications
7-2 — Miscellaneous Lubricants
7-3 — Tyre Specifications
7-3 — Vehicle Dimensions
7-3 — Weights
7-4 — Electrical Specifications
7-5 — Identification Plates and Numbers
7-6 — Emission Control

Description	Petrol 4ZCI, 4 cylinder, 2 litre
Firing Order	1, 3, 4, 2
Ignition Timing — Manual — Auto.	6° BTDC at 800 rpm 6° BTDC at 900 rpm
Spark Plug Gap	0.75 mm
Oil — Specification — Capacity	SF grade engine oil 20W/40 If operating in ambient temperatures over 35°, use of SF grade engine oil 20W/50 is recommended. For prolonged use in snow areas, the use of 15W/40 (SF) or 15W/30 is recommended. 3.2 – 3.7 litres (add 0.4 for filter)
Coolant — Specification — Capacity	⅔ water to ⅓ by vol. Holden's part No. M39288 or ⅔ water to ⅓ by vol. Holden's part No. M39338 9.0 litres
Radiator Cap Pressure Rating	103 kPa
Piston Displacement	1994 cc
Compression Ratio	8.3 : 1
Distributor Air Gap	0.2 – 0.4 mm
Head Bolt Tightening Torque	98 Nm
Valve Clearance (cold) Intake Exhaust	 0.15 mm 0.25 mm
Idle Mixture Settings	Idle mixture and basic throttle settings have been preset and sealed. Removal of mixture screw caps and altreations to other than specified idle CO settings may violate State law.

Fuel	
Tank Capacity	60 litres
Fuel Rating	Unleaded fuel of at least 91 octane rating.

NOTE: Non-detergent and other low quality oils are specifically not recommended. The use of break-in oils, tune-up compounds, friction-reducing compounds and other supplemental additives are *not* recommended; their use will not only increase operating costs, but be detrimental to the operation of your vehicle.

Transmission		Manual	Automatic
Transmission gear ratios	1st	4.122 : 1	2.826 : 1
	2nd	2.493 : 1	1.493 : 1
	3rd	1.504 : 1	1.000 : 1
	4th	1.000 : 1	0.689 : 1
	5th	0.855 : 1	—
	Rev.	3.753 : 1	2.700 : 1
Transmission Oil Capacity		1.55 litres	6.5 litres
Transmission Oil Specifications		SAE 30 Engine Oil	DEXRON II D* Automatic Transmission Fluid
Transmission Filler and Drain Plug Tightening Torque		39 Nm	19.6 Nm

Rear Axle Type		Banjo Semi Floating
Rear Axle Gear Ratio	Manual	41/9 (4.555)
	Automatic	43/9 (4.777)
Rear Axle Oil Capacity		1.5 litres
Rear Axle Oil Specification		GL5 Grade Oils, to Holden's Specification HN1386 or HN1187
Steering Gear Oil		0.48 litres, using GL5 Grade Gear Oil to Holden's HN1386 or HN1187 Specification.
Wheel Alignment: Toe-in Camber Caster King Pin Angle		1 – 7 mm 35′ 2° ± 30′ 7° ± 35′
Brake & Clutch Pedal Pivots		Grease to Holden's HN1147 Specification
Wheel Bearings		Wheel Bearing Grease to Holden's HN1227 Specification
Brake and Clutch System		Hydraulic Brake Fluid to Holden's HN1796 Specification
Chassis, Park Brake, Universal Joint and Propellor Shaft Sliding Yoke		Water resistant EP Type Chassis Lubricant to Holden's HN1271 Specification

* DEXRON II is a registered trademark of General Motors Corporation.

Wheels & Tyres

WHEEL	TYRE SIZE	Recommended cold inflation pressue kPa (psi)			
		FRONT		REAR	
		Unladen	Laden	Unladen	Laden
5.0J × 14	185 SR14 LT-8PR	275 (39)	300 (43)	235 (34)	415 (60)

Dimensions

Wheel Base	2350 mm
Tread — Front — Rear	1430 mm 1400 mm
Minimum Ground Clearance	185 mm
Minimum Turning Radius	4800 mm

Weight

Permissible G.V.M.		2730 kg
G.C.M.	Trailer without Independent Controlled Brakes	3000 kg
	Trailer with Independent Controlled Brakes	3650 kg
Rear Axle Capacity		1600 kg
Front Axle Capacity		1250 kg
*Kerb weight	Windowless van	1310 kg
	Window van	1330 kg

*Note: Kerb weight represents a standard, unloaded vehicle with a full tank of fuel. (Add 20 kg if automatic transmission fitted.)

Bulbs

	Wattage		Wattage
Headlight (Halogen or Sealed beam)	65/55	Turn Signal Light (rear)	23
		Back Up Light	23
Parking Lamp	5	Licence Plate Lights	5
Turn Signal Lights (front)	21	Dome Light	10
Side Turn Lights	5	Tail/Stop Light	5/23

Refer page 6-11 when replacing bulbs.

Fuses

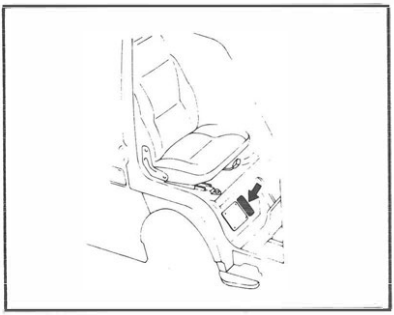
The fuse panel is located near the ash tray. The cover can be pulled out easily with your hand.

When replacing a fuse, use a cartridge of the same amperage.

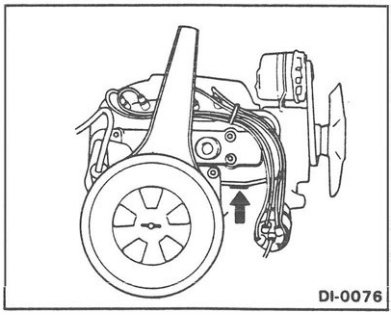
1. AM Radio	15 amps
2. Front cigarette lighter	15 amps
3.	
4.	
5.	
6.	
7. Front wiper, Front washer	15 amps
8. Rear wiper, Rear washer	15 amps
9. Turn signal, Backup light, Gauge, Indicator lights	15 amps
10. Engine	15 amps
11.	
12.	
13.	
14.	
15. Rear defogger	15 amps
16.	
17. Front heater	20 amps
18. Hazard warning lights, Dome light	15 amps
19.	
20. Horn, Stop lights	15 amps
21.	
22.	
23. Right tail lights	10 amps
24. Left tail lights	10 amps

Battery

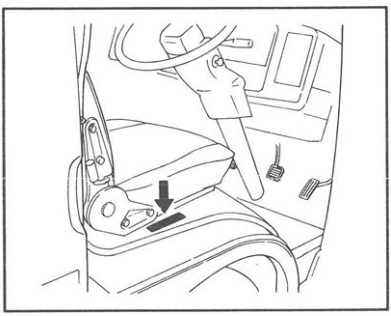
Battery type: 12 volt system with negative polarity ground voltage/amp hr. N40 (12/40).



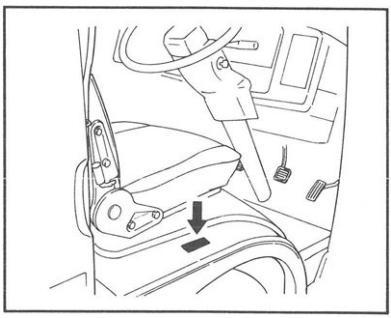
V.I.N. PLATE:
Vehicle identification plate:
It is attached to the floor in front of and below driver's seat under the floor mat.



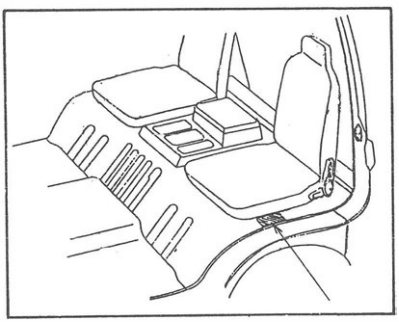
Engine number location:
Stamped on pad on front right side of engine block.



Tyre Pressure Placard:
Tyre inflation pressure placard is located adjacent to the driver's seat.



Chassis number:
It is stamped on the floor near the driver's seat.



Body and option identification plate:
The built date is shown on the lower line of this plate. The built date is defined as "the date of manufacture" by calendar month and year in which the body shell and power train sub-assemblies are co-joined and the vehicle is driven or moved from the production line.

During the combustion process in an automotive engine, some of the fuel (hydrocarbons) fails to burn and is discharged into the engine crankcase or exhaust system. Additionally hydrocarbons are emitted into the atmosphere through evaporation of petrol vapors from the fuel tank and carburettor. Of the total hydrocarbons coming from uncontrolled automobiles, about 25% are emitted from the crankcase, 20% from the fuel system and 55% from the engine exhaust.

In addition to hydrocarbons, carbon monoxide and oxides of nitrogen are also formed during the combustion process. These are also discharged into the exhaust system.

There are three areas from which pollutants are emitted:

(a) Exhaust System

(b) Crankcase

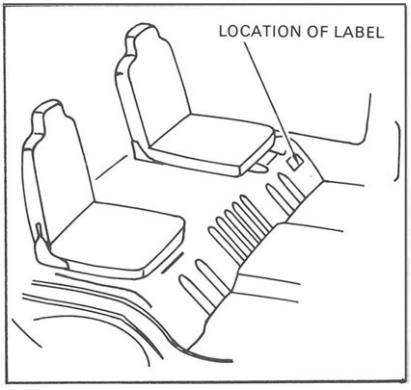
(c) Fuel System.

A number of controls have been installed by Holden's to control the amount of pollutants emitted from your new vehicle.

It is recommended that any replacement parts used for required maintenance services or for the repair of emission control systems be new Holden's parts. Use of replacement parts which are not of equivalent quality may impair the effectiveness of such systems, and may adversely affect your vehicle Warranty.

Vehicle Emission Control Information Label

The label (see following page) is located on the floor in front of and below the outboard passenger's seat under the floor mat and provides all relative specifications required to correctly tune the engine of your Shuttle.



VEHICLE EMISSION CONTROL INFORMATION

SET PARKING BRAKE AND BLOCK DRIVE WHEELS
ENGINE TUNE-UP CONDITIONS
MAKE IDLE SPEED AND TIMING ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CONDITIONER OFF IF INSTALLED, AIR CLEANER INSTALLED, DISTRIBUTOR VACUUM LINE, CANISTER PURGE LINE AND EGR VACUUM LINE DISCONNECTED AND PLUGGED, IDLE COMPENSATOR VACUUM LINE CLOSED BY BENDING RUBBER HOSE, AND TRANSMISSION IN NEUTRAL.
RECONNECT THE VACUUM LINES WHEN ADJUSTMENTS ARE COMPLETED.

IDLE SPEED AND IDLE MIXTURE SETTING PROCEDURE
1. TURN THE IDLE MIXTURE ADJUST SCREW ALL THE WAY IN AND BACK OUT 2½ TURNS.
2. ADJUST THROTTLE ADJUST SCREW TO 850 RPM FOR MANUAL TRANSMISSION VEHICLE OR 950 RPM FOR AUTOMATIC TRANSMISSION VEHICLE.
3. ADJUST SETTING OF IDLE MIXTURE ADJUST SCREW TO ACHIEVE THE MAXIMUM ENGINE SPEED.
4. RESET THROTTLE ADJUST SCREW TO 830 RPM FOR MANUAL TRANSMISSION VEHICLE OR 930 RPM FOR AUTOMATIC TRANSMISSION VEHICLE.
5. TURN IDLE MIXTURE ADJUST SCREW CLOCKWISE (LEAN) UNTIL ENGINE SPEED IS DOWN TO SPECIFIED IDLE SPEED.

IGNITION TIMING SETTING PROCEDURE
1. SET SPECIFIED IDLE SPEED.
2. CONNECT TIMING LIGHT LEAD TO NUMBER 1 CYLINDER.
3. ALIGN MARK ON CRANKSHAFT PULLEY TO TIMING MARK WITH TIMING LIGHT AIMED TOWARD TIMING MARK.

CAUTION: REMOVAL OF ADJUSTMENT CAP AND ALTERATION TO OTHER THAN SPECIFIED IDLE MIXTURE SETTING MAY VIOLATE STATE LAWS. SEE SERVICE MANUAL FOR FURTHER INFORMATION.

ENGINE	PLUG GAP	TRANS-MISSION	IGNITION TIMING	IDLE SPEED
L4 1994CC	0.75 MM	MANUAL	6° BTDC	800 RPM
		AUTO.	6° BTDC	900 RPM

P:NO. 8944463920

Service/Maintenance Schedule

Page
8-1 — When to have the Services Carried Out
8-2 — Extreme Operating Conditions
8-3 — Maintenance Schedule
– What is Actually Performed at Each Service
8-5 — Suggested Times for Each Service
8-6 — 1,000 Km Inspection and Adjustment
8-8 — Intermediate Oil Change Record
8-10 — 10,000 Km or 6 Months Service
8-12 — 20,000 Km or 12 Months Service
8-14 — 30,000 Km or 18 Months Service
8-16 — 40,000 Km or 24 Months Service
8-18 — 50,000 Km or 30 Months Service
8-20 — 60,000 Km or 36 Months Service
8-22 — 70,000 Km or 42 Months Service
8-24 — 80,000 Km or 48 Months Service
8-26 — 90,000 Km or 54 Months Service
8-28 — 100,000 Km or 60 Months Service
8-30 — 110,000 Km or 66 Months Service
8-32 — 120,000 Km or 72 Months Service
8-34 — Notice of Name/Address Ownership Change

When it comes to service, remember that your Holden Dealer has the trained personnel and specialised equipment to correctly service your vehicle. Your dealer invites you to return for all your service needs both during and after the warranty period.

The safety, economy, emission control, performance and reliability of your Shuttle cannot be assured unless regular maintenance is performed, preferably by factory-trained technicians.

Therefore, it is in the owner's interest that the following services are performed at the specified Distance or Months (whichever occurs first).

- 1,000 km — 1 Month
- 10,000 km — 6 Months
- 20,000 km — 12 Months
- 30,000 km — 18 Months
- 40,000 km — 24 Months
- 50,000 km — 30 Months
- 60,000 km — 36 Months
- 70,000 km — 42 Months
- 80,000 km — 48 Months
- 90,000 km — 54 Months
- 100,000 km — 60 Months
- 110,000 km — 66 Months
- 120,000 km — 72 Months

The one month — 1,000 kilometres service will be performed without cost for labour by the Selling Dealer.

This service may be carried out by another Holden Dealer provided you have a letter of Introduction from the Selling Dealer. Your Dealer will supply the necessary letter of Introduction upon request.

It is the owner's responsibility to have the engine oil changed between the regular service interval of 10,000 km or 6 months, refer page 8-8.

The services shown in this schedule between 10,000 and 120,000 are to be performed after 120,000 km at the same intervals.

NOTE: All maintenance services as listed in this handbook and replacement of service items are the responsibility of the owner and as such are NOT considered, under the provisions of the new vehicle warranty to be rectification of defects in material and workmanship. Items such as wheel alignment, necessary adjustments to drive belts, transmission, clutch, parking brake etc. or any other items which may require servicing due to fair wear and tear will be carried out at the owner's cost.

Failure to have proper maintenance services carried out by an Authorised Holden Dealer or service Dealer may void your new vehicle warranty.

It is strongly recommended that you read the "New Vehicle Warranty" on page 5-1, so that you are conversant with your entitlements.

As each service is performed and the coupon removed, the following service coupon is readily visible to remind you when the next service is due.

After the service is completed, the owner should see that the Validation Record is stamped and signed by the Dealer. This is important as it will not only assist in the determination of Warranty Claims, but enhance the value of the vehicle whenever resale is contemplated.

If your vehicle operates under any of the extreme conditions listed in the following table it is recommended that some items be serviced more frequently than the intervals specified in the Maintenance Plan.

NOTE: The extra services listed below need only be used continuously if your vehicle operates continuously under the conditions specified.

If you operate under any of these conditions on a one off basis e.g. holiday trip, then an extra service should be for that period only.

As a guide, if you operate continually for a period of one month or 1,000 kilometres under any of the extreme conditions, then this could qualify for additional services.

If at any time it is considered that the above items or other items should be more frequently serviced due to the type of operation or before a long trip, discuss the situation with the service manager of your Holden Dealer.

	Engine oil	Engine oil filter	Front suspension, steering, and parking brake system	Engine air cleaner element	Front wheel bearings	Manual transmission drive line joints and rear axle	Automatic Transmission Fluid	
Dust, dirt, loose road material	×	×	×	×				
Muddy and wet areas			×		×	×		
Cold weather (below 5°) and when most trips are less than 5 km	×							
Stop-start, excessive idling or low speed operation as experienced in inner city driving. e.g. taxi, door to door delivery	×							
Caravan or Trailer Towing								×

MAINTENANCE SCHEDULE

Use odometer reading or months, whichever occurs first	× 1000 km	1	10	20	30	40	50	60	70	80	90	100	110	120
	or months		6	12	18	24	30	36	42	48	54	60	66	72
Under Hood Operations														
Change engine oil. (Every 5000 km)		×	×	×	×	×	×	×	×	×	×	×	×	×
Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.		×	×	×	×	×	×	×	×	×	×	×	×	×
Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.		×	×	×	×	×	×	×	×	×	×	×	×	×
Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.		×	×	×	×	×	×	×	×	×	×	×	×	×
Wipe inside distributor cap.			×		×		×		×		×		×	
Lubricate distributor. Check condition of points, cap, and rotor. Wipe inside of distributor cap. Check TVRS cables for resistance. Replace spark plugs.				×		×		×		×		×		×
EGR System Only — Clean valve and manifold opening.				×		×		×		×		×		×
Check operation of exhaust heat manifold valve for free operation.						×				×				×
Check condition of air cleaner element and replace if necessary.			×	×	×		×	×	×		×	×	×	
Replace air cleaner element.						×				×				×
Auto Choke — Check and adjust if necessary settings. Check and adjust if necessary fast idle speed on choke cam.				×		×		×		×		×		×
Check choke for free operation.			×	×	×	×	×	×	×	×	×	×	×	×
Adjust valve clearance.		×				×								
Check tightness of manifold and cylinder head bolts.		×				×								
Check timing belt condition.				×		×		×		×		×		×
Check air pre-heat control assembly for correct cold and hot operation.			×	×	×	×	×	×	×	×	×	×	×	×
Check operation and setting of idle stop solenoid.			×	×	×	×	×	×	×	×	×	×	×	×
Check and adjust if necessary engine idle speed.				×		×		×		×		×		×
Serviceable PCV Valves — Dismantle, clean and reassemble Disposable PCV Valves — Test and replace if necessary.				×		×		×		×		×		×
Replace fuel filter.				×		×		×		×		×		×
Drain and refill cooling system. Add specified quantity of anti-freeze. Clean radiator core — check for blockages.				×		×		×		×		×		×
Evaporative control system. Check all fuel and vapour lines and hoses for proper connections and correct routing as well as condition. Remove canister and check for cracks or damage. Replace damaged or deteriorated parts as necessary. Replace filter.				×		×		×		×		×		×
Check torque of carburettor mounting bolts.			×											
Check operation of EGR valve, where fitted.			×											
Where Dealer A/C accessory fitted, check A/C compressor drive belt, mounting bolts, hoses & operation of aux. cooling fan.			×											
Where Dealer A/C accessory fitted, check A/C refrigerant at sight glass.				×		×		×		×		×		

Use odometer reading or months, whichever occurs first	× 1000 km	1	10	20	30	40	50	60	70	80	90	100	110	120
	or months		6	12	18	24	30	36	42	48	54	60	66	72
Under Vehicle Operations														
Change engine oil Filter.		×	×	×	×	×	×	×	×	×	×	×	×	×
Check manual transmission oil level.			×	×	×		×	×	×		×	×	×	
Check rear axle oil level.			×	×	×		×	×	×		×	×	×	
Change lubrication in manual transmission.		×				×				×				×
Change rear axle lubrication.		×				×				×				×
Change automatic transmission lubricant.		×				×				×				×
Inspect and lubricate front suspension and steering joints.		×	×	×	×	×	×	×	×	×	×	×	×	×
Drain, refill and bleed brake system.						×				×				×
Inspect steering gear, linkage and dust covers for wear and security. Notify owner of any deficiencies, including loss of steering preload, for immediate rectification.		×				×				×				×
Lubricate accelerator, transmission shift and clutch linkages as applicable.			×	×	×	×	×	×	×	×	×	×	×	×
Check parking brake operation and lubricate system. Adjust if necessary.			×	×	×	×	×	×	×	×	×	×	×	×
Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.			×	×	×	×	×	×	×	×	×	×	×	×
Inspect engine and transmission mountings.			×	×	×	×	×	×	×	×	×	×	×	×
Check and adjust clutch fork operating rod free travel.		×	×	×	×	×	×	×	×	×	×	×	×	×
Check operation of transmission shift linkage. Adjust if necessary.				×		×		×		×		×		×
Inspect tyres for irregular wear or damage and advise owner, if necessary, or any corrective maintenance required. Check inflation pressures and torque wheel nuts.		×	×	×	×	×	×	×	×	×	×	×	×	×
Inspect disc brake pads for wear			×	×	×	×	×	×	×	×	×	×	×	×
Inspect rear brake linings and drums for wear. Wipe off dust. Check self-adjusting mechanism and parking brake adjustment.				×		×		×		×		×		×
Inspect front wheel bearings and check adjustment. Repack if necessary.				×		×		×		×		×		×
Check steering box and adjust if necessary.				×		×		×		×		×		×

MAINTENANCE SCHEDULE

Use odometer reading or months, whichever occurs first	× 1000 km	1	10	20	30	40	50	60	70	80	90	100	110	120
	or months		6	12	18	24	30	36	42	48	54	60	66	72
Interior Vehicle Operations														
Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.		×	×	×	×	×	×	×	×	×	×	×	×	×
Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.			×	×	×	×	×	×	×	×	×	×	×	×
Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Nofity owner of any deficiencies observed for immediate rectification.		×	×	×	×	×	×	×	×	×	×	×	×	×
Exterior Vehicle Operations														
Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.		×	×	×	×	×	×	×	×	×	×	×	×	×
Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.		×	×	×	×	×	×	×	×	×	×	×	×	×
SUGGESTED LABOUR TIME – HOURS		—	1.8	2.5	1.6	4.0	1.6	2.5	1.6	3.8	1.6	2.5	1.6	3.8
Add if front wheel bearings repacked		—	—	.6	—	.6	—	.6	—	.6	—	.6	—	.6

The owner will be charged for all lubrications and materials used plus labour at the times recommended above.

The repairing or replacing of any part found faulty during a service check and not covered by Holden's Warranty will be added to the charges.

Where any deficiencies are noted, such items should be reported to the owner/operator so that the extra work required can be authorised.

1000 Kilometre Inspection and Adjustment

HOLDEN WISE
QUALITY SERVICE & PARTS

This coupon should not be removed until the vehicle is presented for service.

Owner's Name Mr. Mrs. Miss .....

Address .....

Town & State ..... Postcode .....

Reg. No. ..... Model Name .....

V.I.N. ..... Eng. No. .....

Selling Dealer's Stamp & Signature .....

Date of Acquisition .....

This vehicle has been thoroughly checked in accordance with the schedule on the reverse side of this coupon.

Servicing Dealer's Stamp & Signature .....

Servicing Dealer .....

Town ..... State .....

Owner's Signature .....

This Inspection & Adjustment will be carried out without charge to the owner except for any lubricants used.

PTO

1000 Kilometre Inspection and Adjustment

This vehicle has been thoroughly checked in accordance with the 1,000 kilometre inspection and adjustment.

Dealer .....

Service Manager's Signature .....

Date ..... Odometer Reading .....

Under Hood Operations

	Change Engine Oil and Filter Element.
	Check all Fluid Levels accessible in Engine Compartment.
	Check Manifold Mounting Nuts and Cylinder Head Bolts Tightening Torque.
	Adjust Valve Clearances.
	Check Air Cleaner Elements for Restriction under Extreme Dusty conditions.
	Check all Hose Clips in Engine Compartment.
	Check Condition and Tension of all Engine Drive Belts—using Tension Gauge.
	Check and Adjust Hood Lock and Safety Catch and Lubricate.

Under Vehicle Operations

	Lubricate Front Suspension, (Ball and Steering Joints—where applicable).
	Change Transmission and Rear Axle Oil.
	Inspect all Brake Line Connections and Hoses for Leakage and Clearance.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and wheel nut tightening torque.
	Check Steering Connections.
	Check and Adjust Clutch Control Pedal Height.

Interior Vehicle Operations

	Check operation of Instruments, Lights, Hazard Warning, Turn signals, Horn, Windshield Wipers and Washers, Seat Belts, Seat Adjustment mechanisms and Mirrors.
	Check Operation of Parking Brake.

Exterior Vehicle Operations

	Check Headlamp Aim, Adjust if necessary.
	Check Door Lock Operation, Striker Plates, Handles, etc. and Lubricate

Road Test Programme

	All Rattles, Squeaks, Vibrations and Noises should be checked and rectified.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and parking brake operation. Check mirrors and seat adjustment.

5,000 km or 3 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
15,000 km or 9 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
25,000 km or 15 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
35,000 km or 21 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
45,000 km or 27 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
55,000 km or 33 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
65,000 km or 39 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
75,000 km or 45 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
85,000 km or 51 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
95,000 km or 57 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
105,000 km or 63 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer
115,000 km or 69 Months Oil Change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer

10,000 km or 6 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.8 hrs to perform.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

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Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Wipe inside distributor cap.
	Check condition of air cleaner element and replace if necessary.
	Check choke for free operation.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.
	Check torque of carburettor mounting bolts.
	Check operation of EGR valve, where fitted.
	Where Dealer A/C accessory fitted, check A/C compressor drive belt, mounting bolts, hoses and operation of aux. cooling fan.

PTO

10,000 km or 6 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Under Vehicle Operations

	Change engine oil filter.
	Check manual transmission oil level.
	Check rear axle oil level.
	Inspect and lubricate front suspension and steering joints.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

20,000 km or 12 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 2.5 hrs to perform.

(add 0.6 if wheel bearings repacked)

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

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Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Lubricate distributor. Check condition of points, cap and rotor. Wipe inside of distributor cap. Check TVRS cables for resistance. Replace spark plugs.
	EGR System Only— Clean valve and manifold opening.
	Check condition of air cleaner element and replace if necessary.
	Auto Choke— Check and adjust if necessary settings. Check and adjust if necessary fast idle speed on choke cam.
	Check choke for free operation.
	Check timing belt condition.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.
	Check and adjust if necessary engine idle speed.

PTO

Additional Services Performed: .....

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20,000 km or 12 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Under Hood Operations Cont.

	Serviceable PCV Valves — Dismantle, clean and reassemble. Disposable PCV Valves — Test and replace if necessary.
	Replace fuel filter.
	Drain and refill cooling system. Add specified quantity of anti-freeze. Clean radiator core — check for blockages.
	Evaporative control system. Check all fuel and vapour lines and hoses for proper connections and correct routing as well as condition. Remove cannister and check for cracks or damage. Replace damaged or deteriorated parts as necessary. Replace filter.

Under Vehicle Operations

	Change engine oil filter.
	Check manual transmission oil level.
	Check rear axle oil level.
	Inspect and lubricate front suspension and steering joints.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Check operation of transmission shift linkage. Adjust if necessary.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.
	Inspect rear brake linings and drums for wear. Wipe off dust. Check self-adjusting mechanism and parking brake adjustment.
	Inspect front wheel bearings and check adjustment. Repack if necessary.
	Check steering box and adjust if necessary.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

30,000 km or 18 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hrs to perform.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

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Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Wipe inside distributor cap.
	Check condition of air cleaner element and replace if necessary.
	Check choke for free operation.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.
	Where Dealer A/C accessory fitted, check A/C refrigerant at sight glass.

PTO

30,000 km or 18 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Under Vehicle Operations

	Change engine oil filter.
	Check manual transmission oil level.
	Check rear axle oil level.
	Inspect and lubricate front suspension and steering joints.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

40,000 km or 24 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 4.0 hrs to perform.

(add 0.6 if wheel bearings repacked)

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

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Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Lubricate distributor. Check condition of points, cap and rotor. Wipe inside of distributor cap. Check TVRS cables for resistance. Replace spark plugs.
	EGR System Only— Clean valve and manifold opening.
	Check operation of exhaust heat manifold valve for free operation.
	Replace air cleaner element.
	Auto Choke— Check and adjust if necessary settings. Check and adjust if necessary fast idle speed on choke cam.
	Check choke for free operation.
	Adjust valve clearance.
	Check tightness of manifold and cylinder head bolts.
	Check timing belt condition.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.

PTO

Additional Services Performed: .....

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40,000 km or 24 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Under Hood Operations Cont.

	Check and adjust if necessary engine idle speed.
	Serviceable PCV Valves — Dismantle, clean and reassemble. Disposable PCV Valves — Test and replace if necessary.
	Replace fuel filter.
	Drain and refill cooling system. Add specified quantity of anti-freeze. Clean radiator core — check for blockages.
	Evaporative control system. Check all fuel and vapour lines and hoses for proper connections and correct routing as well as condition. Remove cannister and check for cracks or damage. Replace damaged or deteriorated parts as necessary. Replace filter.

Under Vehicle Operations

	Change engine oil filter.
	Change lubrication in manual transmission.
	Change rear axle lubrication.
	Change automatic transmission lubricant.
	Inspect and lubricate front suspension and steering joints.
	Drain, refill and bleed brake system.
	Inspect steering gear, linkage and dust covers for wear and security. Notify owner of any deficiencies, including loss of steering preload, for immediate rectification.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Check operation of transmission shift linkage. Adjust if necessary.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.
	Inspect rear brake linings and drums for wear. Wipe off dust. Check self-adjusting mechanism and parking brake adjustment.
	Inspect front wheel bearings and check adjustment. Repack if necessary.
	Check steering box and adjust if necessary.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

50,000 km or 30 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hrs to perform.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

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Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Wipe inside distributor cap.
	Check condition of air cleaner element and replace if necessary.
	Check choke for free operation.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.
	Where Dealer A/C accessory fitted, check A/C refrigerant at sight glass.

PTO

50,000 km or 30 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Under Vehicle Operations

	Change engine oil filter.
	Check manual transmission oil level.
	Check rear axle oil level.
	Inspect and lubricate front suspension and steering joints.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

60,000 km or 36 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 2.5 hrs to perform.

(add 0.6 if wheel bearings repacked)

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

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Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Lubricate distributor. Check condition of points, cap and rotor. Wipe inside of distributor cap. Check TVRS cables for resistance. Replace spark plugs.
	EGR System Only— Clean valve and manifold opening.
	Check condition of air cleaner element and replace if necessary.
	Auto Choke— Check and adjust if necessary settings. Check and adjust if necessary fast idle speed on choke cam.
	Check choke for free operation.
	Check timing belt condition.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.
	Check and adjust if necessary engine idle speed.

60,000 km or 36 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed: .....

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Under Hood Operations Cont.

	Serviceable PCV Valves — Dismantle, clean and reassemble. Disposable PCV Valves — Test and replace if necessary.
	Replace fuel filter.
	Drain and refill cooling system. Add specified quantity of anti-freeze. Clean radiator core — check for blockages.
	Evaporative control system. Check all fuel and vapour lines and hoses for proper connections and correct routing as well as condition. Remove cannister and check for cracks or damage. Replace damaged or deteriorated parts as necessary. Replace filter.

Under Vehicle Operations

	Change engine oil filter.
	Check manual transmission oil level.
	Check rear axle oil level.
	Inspect and lubricate front suspension and steering joints.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Check operation of transmission shift linkage. Adjust if necessary.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.
	Inspect rear brake linings and drums for wear. Wipe off dust. Check self-adjusting mechanism and parking brake adjustment.
	Inspect front wheel bearings and check adjustment. Repack if necessary.
	Check steering box and adjust if necessary.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

70,000 km or 42 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hrs to perform.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

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Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Wipe inside distributor cap.
	Check condition of air cleaner element and replace if necessary.
	Check choke for free operation.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.
	Where Dealer A/C accessory fitted, check A/C refrigerant at sight glass.

PTO

70,000 km or 42 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Under Vehicle Operations

	Change engine oil filter.
	Check manual transmission oil level.
	Check rear axle oil level.
	Inspect and lubricate front suspension and steering joints.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

80,000 km or 48 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 3.8 hrs to perform.

(add 0.6 if wheel bearings repacked)

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

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Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Lubricate distributor. Check condition of points, cap and rotor. Wipe inside of distributor cap. Check TVRS cables for resistance. Replace spark plugs.
	EGR System Only— Clean valve and manifold opening.
	Check operation of exhaust heat manifold valve for free operation.
	Replace air cleaner element.
	Auto Choke— Check and adjust if necessary settings. Check and adjust if necessary fast idle speed on choke cam.
	Check choke for free operation.
	Check timing belt condition.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.

PTO

80,000 km or 48 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Under Hood Operations Cont.

	Check and adjust if necessary engine idle speed.
	Serviceable PCV Valves — Dismantle, clean and reassemble. Disposable PCV Valves — Test and replace if necessary.
	Replace fuel filter.
	Drain and refill cooling system. Add specified quantity of anti-freeze. Clean radiator core — check for blockages.
	Evaporative control system. Check all fuel and vapour lines and hoses for proper connections and correct routing as well as condition. Remove cannister and check for cracks or damage. Replace damaged or deteriorated parts as necessary. Replace filter.

Under Vehicle Operations

	Change engine oil filter.
	Change lubrication in manual transmission.
	Change rear axle lubrication.
	Change automatic transmission lubricant.
	Inspect and lubricate front suspension and steering joints.
	Drain, refill and bleed brake system.
	Inspect steering gear, linkage and dust covers for wear and security. Notify owner of any deficiencies, including loss of steering preload, for immediate rectification.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Check operation of transmission shift linkage. Adjust if necessary.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.
	Inspect rear brake linings and drums for wear. Wipe off dust. Check self-adjusting mechanism and parking brake adjustment.
	Inspect front wheel bearings and check adjustment. Repack if necessary.
	Check steering box and adjust if necessary.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

90,000 km or 54 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hrs to perform.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

.....

.....

Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Wipe inside distributor cap.
	Check condition of air cleaner element and replace if necessary.
	Check choke for free operation.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.
	Where Dealer A/C accessory fitted, check A/C refrigerant at sight glass.

PTO

90,000 km or 54 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Under Vehicle Operations

	Change engine oil filter.
	Check manual transmission oil level.
	Check rear axle oil level.
	Inspect and lubricate front suspension and steering joints.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

100,000 km or 60 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 2.5 hrs to perform.

(add 0.6 if wheel bearings repacked)

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

.....

.....

Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Lubricate distributor. Check condition of points, cap and rotor. Wipe inside of distributor cap. Check TVRS cables for resistance. Replace spark plugs.
	EGR System Only— Clean valve and manifold opening.
	Check condition of air cleaner element and replace if necessary.
	Auto Choke— Check and adjust if necessary settings. Check and adjust if necessary fast idle speed on choke cam.
	Check choke for free operation.
	Check timing belt condition.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.
	Check and adjust if necessary engine idle speed.

PTO

100,000 km or 60 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Under Hood Operations Cont.

	Serviceable PCV Valves — Dismantle, clean and reassemble. Disposable PCV Valves — Test and replace if necessary.
	Replace fuel filter.
	Drain and refill cooling system. Add specified quantity of anti-freeze. Clean radiator core — check for blockages.
	Evaporative control system. Check all fuel and vapour lines and hoses for proper connections and correct routing as well as condition. Remove cannister and check for cracks or damage. Replace damaged or deteriorated parts as necessary. Replace filter.

Under Vehicle Operations

	Change engine oil filter.
	Check manual transmission oil level.
	Check rear axle oil level.
	Inspect and lubricate front suspension and steering joints.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Check operation of transmission shift linkage. Adjust if necessary.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.
	Inspect rear brake linings and drums for wear. Wipe off dust. Check self-adjusting mechanism and parking brake adjustment.
	Inspect front wheel bearings and check adjustment. Repack if necessary.
	Check steering box and adjust if necessary.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

110,000 km or 66 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.6 hrs to perform.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

.....

.....

Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Wipe inside distributor cap.
	Check condition of air cleaner element and replace if necessary.
	Check choke for free operation.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.
	Where Dealer A/C accessory fitted, check A/C refrigerant at sight glass.

PTO

110,000 km or 66 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional Services Performed:

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Under Vehicle Operations

	Change engine oil filter.
	Check manual transmission oil level.
	Check rear axle oil level.
	Inspect and lubricate front suspension and steering joints.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

120,000 km or 72 Months Service Coupon

HOLDEN WISE
QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 3.8 hrs to perform.

(add 0.6 if wheel bearings repacked)

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested.

.....

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Signature ..... Date .....

Under Hood Operations

	Change Engine Oil. (Every 5000 km).
	Check all fluid levels accessible in engine compartment, e.g. brake, washer, battery electrolyte, clutch, auto transmission. Check coolant level and inhibitor %, use tester.
	Inspect condition and adjust tension of all engine drive belts. Adjust if necessary using gauge.
	Inspect condition and attachment of all hoses in engine compartment, including all emission systems pipes and connections.
	Lubricate distributor. Check condition of points, cap and rotor. Wipe inside of distributor cap. Check TVRS cables for resistance. Replace spark plugs.
	EGR System Only— Clean valve and manifold opening.
	Check operation of exhaust heat manifold valve for free operation.
	Replace air cleaner element.
	Auto Choke— Check and adjust if necessary settings. Check and adjust if necessary fast idle speed on choke cam.
	Check choke for free operation.
	Check timing belt condition.
	Check air pre-heat control assembly for correct cold and hot operation.
	Check operation and setting of idle stop solenoid.

PTO

Additional Services Performed: .....

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120,000 km or 72 Month SERVICE VALIDATION

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Under Hood Operations Cont.

	Check and adjust if necessary engine idle speed.
	Serviceable PCV Valves — Dismantle, clean and reassemble. Disposable PCV Valves — Test and replace if necessary.
	Replace fuel filter.
	Drain and refill cooling system. Add specified quantity of anti-freeze. Clean radiator core — check for blockages.
	Evaporative control system. Check all fuel and vapour lines and hoses for proper connections and correct routing as well as condition. Remove cannister and check for cracks or damage. Replace damaged or deteriorated parts as necessary. Replace filter.

Under Vehicle Operations

	Change engine oil filter.
	Change lubrication in manual transmission.
	Change rear axle lubrication.
	Change automatic transmission lubricant.
	Inspect and lubricate front suspension and steering joints.
	Drain, refill and bleed brake system.
	Inspect steering gear, linkage and dust covers for wear and security. Notify owner of any deficiencies, including loss of steering preload, for immediate rectification.
	Lubricate accelerator, transmission shift and clutch linkages as applicable.
	Check parking brake operation and lubricate system. Adjust if necessary.
	Inspect exhaust system and adjacent body areas for open seams or damage. Inspect for leaks and damage — brake and fuel lines, shock absorbers and mountings.
	Inspect engine and transmission mountings.
	Check and adjust clutch fork operating rod free travel.
	Check operation of transmission shift linkage. Adjust if necessary.
	Inspect tyres for irregular wear or damage and advise owner, if necessary, of any corrective maintenance required. Check inflation pressures and torque wheel nuts.
	Inspect disc brake pads for wear.
	Inspect rear brake linings and drums for wear. Wipe off dust. Check self-adjusting mechanism and parking brake adjustment.
	Inspect front wheel bearings and check adjustment. Repack if necessary.
	Check steering box and adjust if necessary.

Interior Vehicle Operations

	Check operation of all warning indicators, ignition steering lock, brake and park brake lights and interior electrical system items and controls. Check all internal lights.
	Check heating, ventilation and demisting system ducts are clear and operation is satisfactory and controls correctly adjusted.
	Seat belt inspection. Examine webbing condition, buckle operation and retractor mechanism function. Notify owner of any deficiencies observed for immediate rectification.

Exterior Vehicle Operations

	Lubricate door handle pivots, door hinges, striker bolts or plates, hood catch and side and rear door locks.
	Check vehicle on the road for even braking and steering, transmission operation, engine response and handbrake operation. Check mirrors and seat adjustment.

To ensure continued interest in your vehicle, Holden's requests that owners who change their name or address and subsequent owners who purchase the vehicle fill in and mail one of the attached notices. Please forward to the address shown on the reverse side of the notice.

2

Notice of Name/Address Ownership Change

NAME/ADDRESS CHANGE ☐ SUBSEQUENT OWNER ☐
PLEASE TICK ☑ APPROPRIATE SQUARE

Owner's Name Mr. Mrs. ..... Miss

Address .....

Town .....

State ..... Post Code .....

Registration No. .....

Vehicle Identification Number (V.I.N.) .....

(Refer Specifications Section of this Manual for location of V.I.N.)

2

Notice of Name/Address Ownership Change

NAME/ADDRESS CHANGE ☐ SUBSEQUENT OWNER ☐
PLEASE TICK ☑ APPROPRIATE SQUARE

Owner's Name Mr. Mrs. ..... Miss

Address .....

Town .....

State ..... Post Code .....

Registration No. .....

Vehicle Identification Number (V.I.N.) .....

(Refer Specifications Section of this Manual for location of V.I.N.)

Place in an envelope and mail to:

The Manager — Warranty Administration,
Service Department,
General Motors-Holden's Automotive Ltd.,
Box 548D, G.P.O.,
Melbourne,
Victoria, 3001

Place in an envelope and mail to:

The Manager — Warranty Administration,
Service Department,
General Motors-Holden's Automotive Ltd.,
Box 548D, G.P.O.,
Melbourne,
Victoria, 3001

To ensure continued interest in your vehicle, Holden's requests that owners who change their name or address and subsequent owners who purchase the vehicle fill in and mail one of the attached notices. Please forward to the address shown on the reverse side of the notice.

2

Notice of Name/Address Ownership Change

NAME/ADDRESS CHANGE ☐ SUBSEQUENT OWNER ☐
PLEASE TICK ☑ APPROPRIATE SQUARE

Owner's Name Mr. Mrs. Miss .....

Address .....

Town .....

State ..... Post Code .....

Registration No. .....

Vehicle Identification Number (V.I.N.) .....

(Refer Specifications Section of this Manual for location of V.I.N.)

2

Notice of Name/Address Ownership Change

NAME/ADDRESS CHANGE ☐ SUBSEQUENT OWNER ☐
PLEASE TICK ☑ APPROPRIATE SQUARE

Owner's Name Mr. Mrs. Miss .....

Address .....

Town .....

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Melbourne,
Victoria, 3001

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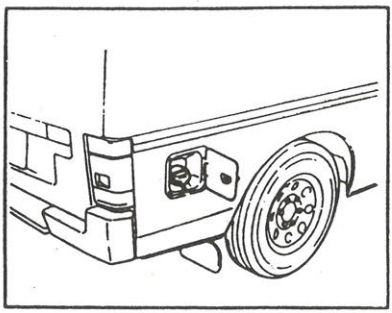
Fuel

CAUTION: Petrol is extremely flammable and highly explosive under certain conditions. Always stop the engine and do not smoke or allow open flames or sparks near the vehicle when refuelling. If petrol fumes are noticed while driving, the cause should be determined and corrected without delay.

The vehicle is equipped with lockable fuel filler door which can be unlocked with starter key.

After refuelling, check to be sure the fuel filler door is locked up properly.



To reduce the exhaust pollutants in the atmosphere, your Shuttle has been designed to operate on a good clean UNLEADED FUEL of at least 91 octane rating (Research Octane Number), as indicated by the label on the fuel cap.

To ensure that the correct fuel is used, your Shuttle has been fitted with a fuel filler nozzle restrictor. This allows the thinner, unleaded fuel filler nozzle to open the hinged flap, so that fuel may be added to the fuel tank. The leaded, fuel filler nozzle is wider and therefore cannot open the flap.

Overfilling of the fuel tank can affect the evaporative Emission Control System.

To avoid this, the following recommendations are made:

1. Fuel tanks should always be filled at the intermediate or fast fill rate. After initial shut-off (or vent blow back) no further fuel should be added. This retains the tank's ability to accommodate fuel expansion.
2. It is permissible to "trickle fill" fuel tanks where vehicles are to be driven for a distance of at least 50 km shortly after the tank is filled.

Fuel Tank Capacity = approx. 60 litres.

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